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Equipment
2101

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REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY.

PART I.

1906.



LONDON:
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REGULATIONS

FOR THE

EQUIPMENT OF THE ARMY.

PART I.

1906.

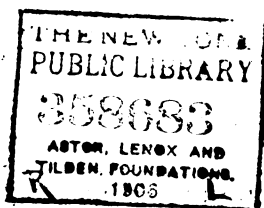


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31 JAN 1971

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 200 million to 400 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

Our Warrant dated the 10th of February, 1902, and the Regulations established thereby, are hereby cancelled.

Given at Our Court at Sandringham this 1st day of January, 1906, in the 5th year of Our Reign.

By His Majesty's Command,

R. B. HALDANE.

DEFINITIONS.

N.B.—The following terms used in these regulations will have the signification shown :—

Unit	Units are bodies of troops each under a separate commanding officer who is an accountant.
Accountant	Any Officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.
Commanding Officer	 The Officer Commanding any Unit.
Chief Ordnance Officer	 The senior officer of the Army Ordnance Department at the Royal Army Clothing Department, Pimlico; in a district not included in a command; and at certain important depôts.
Ordnance Officer	 The officer in charge of an ordnance depôt.
Regimental Artificers	 Non-commissioned officers and soldiers on the regimental establishment as artificers, receiving pay as such, for the performance of special work.
Military Tradesmen	 Tradesmen enlisted as soldiers, and receiving pay as such, but available when required for employment in their trades, receiving extra working pay.

ABBREVIATIONS.

A. & S.	Ammunition and Store.	O.P.	Old Pattern.
B.L.	Breech-loading.	O.R.	Other Ranks.
B.W.G.	British Wire Gauge.	P.	Pebble ($\frac{1}{8}$ -inch cubical).
C.I.	Cast-iron.	P. ²	Pebble ($1\frac{1}{2}$ -inch cubical).
D.P.	Drill purposes.	Q.F.	Quick Firing.
Ey.	Emergency.	R. & F.	Rank and File.
F.G.	Fine Grain.	R.B.L.	Rifled, Breech-loading.
F.S.	Field Service.	R.F.G.	Rifle, Fine Grain.
G.S.	General Service.	R.L.G.	Rifle, Large Grain.
L.G.	Large Grain.	R.M.L.	Rifled, Muzzle-loading.
L.S.	Land Service.	S.A.	Small-arm.
M.-E.	Martini-Enfield.	S.A.A.	Small-arm Ammunition.
M.-M.	Martini-Metford.	S.S.	Staff Serjeants.
M.L.	Muzzle-loading.	V.E.	Valise Equipment.
M.L.-E.	Magazine Lee-Enfield.	W.G.	Wire Gauge.
M.L.-M.	Magazine Lee-Metford.	W.I.	Wrought-iron.
M.T.	Morris Tube.	Wt.O.	Warrant Officer.
N.P.	New Pattern.		

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The amendments made in the Regulations of 1902, are denoted by a black line in the margin. As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Secretary, War Office.]

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, 1906.

PART 1.—GENERAL REGULATIONS.

SECTION I.—DUTIES OF OFFICERS.

A.—INTRODUCTORY.

1. The following regulations for the equipment of the Regular Army and for the maintenance of the armaments of works, are promulgated for the information and guidance of officers concerned. The proportions of ammunition and stores, materials for repair, tables of duration, and details of equipment contained therein will be strictly adhered to. Regulations relating exclusively to artillery will be found in Part 2, Artillery Special Instructions and Details. No details of establishment of equipment for submarine mining, defence electric lights, Brennan torpedo installations, permanent telegraph, telephone and signal stations are given, special scales being authorised for each station concerned, but the general procedure as regards demand, supply, and disposal of such equipment will be as herein laid down.

Strict adherence to regulations enjoined.

Gen. No. 5
1310

2. In describing stores in equipment ledgers, indents, &c., the designations and sections of the vocabulary issued by the War Office will be strictly followed. Articles not included in the vocabulary will be headed "not in vocabulary" and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be

Nomenclature.

Drawings. described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving **Dimensions.** dimensions, feet and inches are always to be expressed in words.

B.—DUTIES OF GENERAL OFFICERS COMMANDING.

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| <p>40116
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General responsibility.</p> <p>Inspection of mobilization equipment.
38407
Equipmt.
2101</p> <p>Issues in excess of authorised proportions.
57
Gen. No.
4183</p> <p>Report of excess issues.</p> | <p>3. General Officers Commanding will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued or taken into use by units on mobilization are at all times maintained in a serviceable and complete condition.</p> <p>They are responsible for the custody and maintenance of the mobilization equipment which is held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory and explicit reason.</p> <p>4. Equipment stored for mobilization will be inspected approximately every six months alternately by the chief ordnance officer and by the assistant director of ordnance stores. In districts where both these appointments do not exist another ordnance officer may be detailed to carry out one of the half-yearly inspections in any year.</p> <p>In each case, the result of these inspections will be reported on Army Form G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the General Officer Commanding-in-Chief of the command is desirous of doing so.</p> <p>5. The General or other Officer Commanding a district or command will be responsible that equipment of all kinds is issued to the troops for service purposes, in accordance with the authorised proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the responsible ordnance officer to provide for the requirements of the service according to circumstances. It must be distinctly understood that the power of the General Officer Commanding to approve such excess issues does not extend to ammunition.</p> <p>6. In any instance in which stores or equipment, other than ammunition, are drawn in excess of the authorised proportions without the written authority required by paragraph 5, the case should be submitted without delay to the General Officer Commanding, who will deal with it as a matter of discipline, and when consumable stores are concerned, the excess issues should be treated as losses, and dealt with under the King's Regulations.</p> <p>7. The General Officer Commanding will, when the issues under paragraph 5 are of an exceptionally large nature, report full details quarterly to the War Office, stating whether the issues are of a temporary nature on loan, or are proposed as a permanent addition to an establishment.</p> |
|--|---|

8. In the event of any unnecessary delay occurring in the supply of equipment, the General Officer Commanding will report the circumstance, with the explanation of the chief ordnance officer concerned, to the War Office. Delay in supply.

C.—DUTIES OF COMMANDING OFFICERS.

9. Commanding officers will be held directly responsible that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorised proportions, unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command; and when any defects are discovered therein, will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation of the same to the chief ordnance officer. Responsibility of commanding officers.

10. Commandants of Schools of Instruction and similar institutions will be regarded as commanding officers for all purposes to which the instructions contained in these regulations apply. 54
S. of Musky.
1099

11. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, that the necessary action is taken to provide for such changes. In case of change of pattern, &c.

12. They will compare the quantities of mobilization stores when in their charge, as shown by the mobilization store tables of their respective units, with the remains of the stores shown at the end of their equipment ledgers on the 31st March in each year. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found. Mobilization stores in charge to be checked with tables.

13. Alterations of articles of equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office. Alterations of articles of equipment forbidden.

14. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and the outgoing officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in Appendix I, and accompany the regimental equipment ledger, on transmission of the latter as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the out-going commanding officer, the Regimental Board will be assembled prior to the departure of the out-going officer, and the senior officer remaining with the unit will take over and be responsible for the equipment until it is handed over by him to the officer assuming command. Regimental board on change of command.

15. The stocktaking board may be dispensed with if the officer taking over the charge of the stores considers it unnecessary, but he will then be held responsible and will himself sign the form of certificate shown in paragraph 4 of Appendix I and dispose of it as therein directed. 54
Artillery
971

54
Gen. No.
9161

On transfer
of charge of
armaments.

16. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments, by a board of officers, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over, or the one taking over charge, the officer commanding Royal Artillery will appoint a board of officers for the purpose. Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to the variation caused by subsequent duly vouched store transactions.

Deficiencies
in equip-
ments.

17. When deficiencies or damages are discovered on a transfer of the equipment and stores, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by authority of the War Office. Where any loss, injury, or deterioration of equipment, other than personal, is clearly traceable to the neglect of a subordinate, the commanding officer who is liable may apply through the General Officer Commanding to the War Office to be relieved of the cost of replacing or repairing such equipment. In the case of personal equipment the usual steps will be taken to recover the cost of replacing or repairing.

Information
to Army
Ordnance
Department.

18. In order to facilitate the maintenance of the equipment reserves, commanding officers will at all times furnish the ordnance officers with such information as they may require regarding the state of the equipments in their charge.

Corre-
spondence
with Army
Ordnance
Department.

19. All communications connected with the supply of equipment, whether authorised by, or in excess of, regulation, will be addressed to the chief ordnance officer, who will, if necessary, take the orders of the General Officer Commanding on the subject.

Delay in
supply.

20. The commanding officer will bring to the notice of the General Officer Commanding any undue delay in the supply of any articles of equipment.

SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

A.—INDENTS FOR EQUIPMENT.

21. Officers who are direct accountants with the War Office for any portion of the service equipments will put forward indents for munitions of war, stores, and materials, to maintain the equipments for which they severally account, as well as for those required for the training and service of their units generally. The indent will be prepared on the authorised forms in accordance with the nomenclature in the priced Vocabulary of Stores, and a separate form (or separate division of such forms as are divided by perforation) will be used for the Weedon and each of the Woolwich sections affected, and every section will bear the regimental or corps office stamp; the purpose for which the stores are required must be clearly shown, as well as the strength of the unit, the complete establishment or proportion of equipment allowed by regulation, the authority under which the stores are demanded, and the quantities in charge. The time that equipment to be replaced has been in use will also be stated in the case of those articles to which a period of duration has been assigned. Indents will be sent direct to the chief ordnance officer, by the officer requiring the stores, on the dates given in paragraph 23. When stores, ammunition, or equipment are demanded on payment, the indents will be endorsed to that effect in red ink. In cases where the forms are prepared for the carbon process, indents will be rendered in duplicate. In the case of long indents with printed descriptions, which are not prepared for the carbon process, they will be completed in manuscript and rendered in duplicate.

22. The equipment of units laid down in the mobilization store tables (Army Forms G 1098) will regulate the peace (except materials for repair and preservation of equipment, the proportions of which are laid down in Equipment Regulations) as well as the mobilization establishments. In framing demands for articles on the peace establishment, commanding officers will refer to the paragraph or table of the Equipment or other Regulations, which authorises the issue of the peace equipment applied for, but the demand will in all cases be in accordance with the establishment of equipment laid down in the latest issues of the mobilization store tables.

23. Indents for equipment, for materials for its preservation, and for veterinary stores (*see* paragraph 292), will, except in cases of emergency, be made quarterly, on the 1st March, 1st June, 1st September, and 1st December. An exception as regards veterinary stores will, however, be made at Woolwich, where the requirements of the troops will be provided for by the district veterinary officer; and the following classes of stores will also be treated exceptionally:—materials for the repair of arms (including mineral jelly, rifle and Rangoon oil, used for cleaning and preservation), accoutrements, harness and saddlery, and artificers' tools, which will be demanded annually, on the 1st March; stable necessities and materials for the repair of carriages, which will be demanded

Indents to be made direct on chief ordnance officer.

Preparation of.

Mobilization Tables to regulate peace establishments.

40116

4764

Indents to be made periodically.
Exceptional indents.

on the 1st September; and practice and exercise ammunition as laid down in Section VII. Camp equipment will be demanded when required, under Section X. Paint will be demanded when most convenient to those requiring it.

Where this regulation cannot be complied with, a statement for the information of the General Officer Commanding must accompany the indent, showing the reason why the requirement was not foreseen and why the supply could not await the next periodical indent.

24. Indents will not be made for equipment to replace articles deemed unserviceable, until the commanding officer has satisfied himself that they are thoroughly unserviceable or cannot be repaired by the means at his disposal, notwithstanding that such articles may have already been in use for the period of duration assigned to them under Section XVIII. Special authority will be required to support the exchange of any equipment still serviceable, or capable of being repaired regimentally.

25. On notification of a change of pattern, involving the immediate withdrawal of that in use, indents will be made without delay for the new equipment; but a commanding officer is not entitled to demand any article from store on account of any preference which he may have for a particular pattern.

26. When units are ordered abroad, commanding officers will at once indent upon the chief ordnance officer, for all articles required to complete the equipments of their corps, according to the scales authorised for the particular service.

27. Officers commanding detachments who are not accountants, requiring articles of fixed equipment, will prepare and forward the indents for the same to the officers commanding their respective units for signature, before sending them to the Army Ordnance Department. When the stores are issued, a temporary receipt will be taken by the ordnance officer from the officer in command of the detachment, until the usual vouchers have been passed between the ordnance officer and the head-quarters of the unit. Should the articles be urgently required, the ordnance officer will make the issue at once, and the officer commanding the detachment will be responsible for the stores until he has procured a covering indent from his commanding officer, and the vouchers have been passed.

28. To obviate the necessity for intermediate demands, officers commanding will cause an inspection of the equipment to be made before preparing the quarterly indents. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied, as laid down in the several sections of Equipment Regulations, Part 2. Where accoutrements are lost, as for example through desertion, or arms are damaged to such an extent that the armourer cannot repair them, the wants can be temporarily met by using the equipment of men who are for the time non-effective.

29. Articles of store are not as a rule issuable to commanding or other officers on payment, in time of peace, except by order of the War Office. But small-arm ammunition, and also arms, accoutrements, or saddlery, of Service patterns which form part of an officer's regulation equipment and which he may require for his own personal use, may be issued on prepayment. Carbines and rifles may be issued under the conditions laid down in Appendix XVI.

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to be re-
placed unless
thoroughly
unservice-
able.On change
of pattern.Equipment
to be com-
pleted before
going on
service
abroad.
From
officers com-
manding
detach-
ments, who
are not
accountants.

8

Equipmt.

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Intermediate
indents
objection-
able.Issues on
payment.

30. The value of stores issued on repayment, and of ammunition under paragraphs 191-194, will be recovered by the accountant for regimental services, priced vouchers on Woolwich Form 1, being furnished by the Assistant Director of Ordnance Stores, Woolwich Arsenal, and, on Army Form G 982, by other ordnance officers making the issue. The officers commanding corps to whom issues are made will forward the vouchers to the accountant for regimental services, so that it may be shown where the value is credited before returning them to the Army Ordnance Department.
31. Stores for maintaining equipments, or for special service, are not to be appropriated to other purposes without special authority, obtained through the chief ordnance officer.
32. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the store dépôt, arrange for their conveyance.
33. The supply of all equipment, except ammunition, due to units proceeding from one district to another, is dealt with in the Army Ordnance Regulations.
34. When field companies of the Royal Engineers exchange stations, a portion of the equipment will be left behind by the out-going company and taken over by the in-coming company at each station. An officer of each company will proceed, within a week in advance, to the new station, to take over the stores to be left behind by the out-going company. The transfer of stores will be carried out in the manner laid down in paragraph 93.
- A list of the stores that will usually be transferred by field companies is given in Part 2, Section X.
35. When companies of the Army Service Corps exchange station, between England and Ireland, all the equipment, and material for its repair, &c., &c., held on charge, and detailed in Part 2, Section III for a service company, excepting arms, accoutrements, trumpets and bugles, will be left behind by the outgoing company, and taken over by the incoming company at each station.
- An officer and non-commissioned officer of each company will proceed in advance in sufficient time to the new station, to take over the stores to be left behind by the outgoing company.
- The transfer of stores should be conducted under paragraph 93. The ammunition will be disposed of as laid down in paragraph 64.
- Any stores due from the Army Ordnance Department to the outgoing company on indents, to complete or repair articles left behind, should be issued to the incoming company.
36. When the indents for camp equipment or materials for repair are large, the equipment forms with printed details will be used; but when small, the blank forms provided for such cases, Army Forms G 997 and G 1027, will be rendered.
37. Tools for mounted services are issued to units, and held on charge by them in complete chests, and will be so demanded when required.
38. When small quantities of tools are required to be exchanged as unserviceable, they will be shown in detail in the indent, for which purpose, either Army Form G 997, or a manuscript indent may be used.
39. All vehicles of service pattern, whether in store or as equip-

Mode of repayment.

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Misappropriation of stores.

Troops to draw their own stores.

Supply.
See A.O. Regulations.

Equipment left behind on change of station by R.E.

Ditto by A.S. Corps

Forms for indents.

Tools.

Exchange of tools.

Straps, &c., for vehicles.

ment in possession of troops, should at all times be complete with the straps and other articles appertaining to them, as laid down in the Table of Accessories, Components, and Spare Parts (Appendix VIIIc). These articles should be in the custody of the officer who has the vehicles in charge. Artillery wagons in possession of cavalry units will only hold the "other articles" on charge in the proportion laid down in Section II, Part 2 of Equipment Regulations.

B.—RECEIPT AND INSPECTION OF EQUIPMENT.

Inspection
of packages
on receipt
from
carriers.

40. When equipment is received by the troops, the officers, or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition. Should any appear to have been damaged in transit, or tampered with, the circumstances will be recorded on the bill of lading or carrier's note, and pointed out to the person conveying the stores, the packages being opened, if necessary, in his presence. (See also para. 1448, King's Regulations.)

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Inspection.

41. The stores will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the officer responsible for the equipment, or an officer deputed by him.

Weighing of
stores.

42. All packages will be weighed before being opened, and the ascertained weight compared with that marked on the outside. Should these weights differ in any instance, the contents will be at once counted, and compared with the numbers given on the packing note which each package should contain.

Number and
weight.

43. Stores received by number and weight will be both counted and weighed.

Discrepancy.

44. In reporting any discrepancy, the fullest information will be given, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes.

Inspection of
equipment.

45. The equipment will be carefully inspected, to determine that the articles delivered agree with the particulars in the vouchers, and that they are correct in point of quality and pattern.

Receiving
officer's
liability.
Ammunition
and explo-
sive stores in
hermetically
closed cases.

46. Should the above precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies.

47. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened until the contents are required for use. These cases with their contents, as well as packages containing small-arm ammunition and gun-powder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used, will be at once reported, and all details upon the cases will be quoted.

Objections to
equipment.

48. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the commanding officer before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the stores will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

49. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the commanding officer, after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the ordnance officer by whom the issue was made. Report of discrepancies.

50. In cases in which the reports of officers commanding, or others, bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the General Officer Commanding considers further action necessary. Report to War Office.

51. A commanding officer in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue. Commanding Officers responsible for safe custody of stores not taken on charge.

C.—RETURN OF EQUIPMENT.

52. Whenever it becomes necessary or advisable to return equipment into store, except empty packages and such articles as have been replaced on indent, commanding officers will make application to the chief ordnance officer to receive them, stating their description, number, the time they have been in use, and the reasons for returning them into store; the authority, if any, should also be quoted. When guns, carriages and slides, for drill, practice, time, saluting, or instructional purposes, are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, &c., in the armaments, and batteries of Horse or Field Artillery, or militia or volunteer heavy batteries, should take place without previous reference to headquarters, unless under very exceptional circumstances when the matter should be immediately reported. Application to return equipment.

The disposal of the unserviceable guns, &c., which are to be replaced, or of any others which are of obsolete pattern, and no longer required, will be dealt with by the Assistant Director of Ordnance Stores, Woolwich Arsenal; and full information as to their value, if proposed for sale locally, or cost of removal to store, should accompany indents for new guns, or suggestions for the disposal of obsolete ordnance, &c.

53. Unserviceable or obsolete stores on charge of a unit may, under the authority of the General Officer Commanding, obtained through the chief ordnance officer, be disposed of locally, to save the expense involved in transporting them to the nearest Army Ordnance Depot for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows:— Obsolete stores, disposal of.

- (a) The condemnation of stores will not be effected by the unit on whose charge they are held.
- (b) Whenever possible, the condemning authority should be either an ordnance officer or a Garrison Board.
- (c) At remote stations where there are insufficient officers to form

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a Garrison Board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in paragraph (b). In such cases the General Officer Commanding may instruct a competent military officer to examine the stores and, after consideration of his report, authorise their condemnation and local disposal. Officers should not be specially detailed for this duty, if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.

- (d) When stores condemned without return to ordnance store, under sub-paragraphs (b) and (c), or obsolete stores similarly situated, are to be disposed of locally, all necessary instructions as to their disposal will be given by the chief ordnance officer.

54. Haversacks, mess-tins and mess-tin covers, condemned as unserviceable under paragraph 53, will be disposed of under the contracts for the sale of worn-out clothing. The amounts realised will be credited to the public in the vote for general stores. (Vote 8).

- (a) Through the Army Ordnance Department if the articles are handed over to the contractor at an army ordnance dépôt.
(b) Through the commanding officer concerned, if the articles are condemned on the spot and handed over locally to the contractor.

In the latter case the credit should be given in the pay list of the unit or units concerned, and the Army Ordnance Department will not be called upon to intervene in the cash transaction.

55. When stores are returned to the Army Ordnance Department, vouchers will be prepared in triplicate by carbon process on A.F.G. 1033. A separate division (as divided by perforation) will be used for the Weedon and each of the Woolwich Sections, and every section will bear the regimental or corps office stamp. The vouchers will be signed by the consignor; and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been received. When stores are passed to other accountants, the vouchers will be prepared in duplicate only.

56. When stores are returned from a distance, vouchers will be sent by post, on the same day that the stores are despatched, to the ordnance officer to whom they are consigned. The date and number of the order directing the return of the stores will be inserted in the headings of the vouchers, and a corresponding date and number will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify them immediately on receipt. Each case, bale, or package will be weighed, and the weight marked upon it.

57. Commanding officers will make their own arrangements for conveyance, as in the case of issues (*see* paragraphs 32 and 58), in the return of unserviceable and surplus equipments into store in camp and garrison.

58. Issues of regimental equipment, such as arms, accoutrements, harness and saddlery and parts of bicycles, to replace similar unserviceable articles in possession of a unit quartered at a station where there is an ordnance dépôt from which the supply of the new will be received, will not be made until the unserviceable articles have been

Haversacks,
mess-tins
and mess-tin
covers,
disposal of
when un-
serviceable.

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Vouchers
and receipts
for returned
stores.

Vouchers
for stores
returned
from a dis-
tance.

O. C. to
arrange for
return of
stores.

Issues.

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returned to the Army Ordnance Department, inspected, and condemned. The day and hour for exchange should be arranged for by communication between the ordnance officer and the officer commanding.

When the unit is quartered at another station the new articles will be supplied prior to the return of the unserviceable, and the officer commanding will, upon receipt thereof, immediately return the unserviceable, and will not cause any corps marks to be placed upon the new equipment until he receives notification from the ordnance officer that the articles returned are considered to be in a state for condemnation. The inspection and notification by the Army Ordnance Department will be carried out immediately the stores are received. Should any of the equipment so returned be found, on receipt by the Army Ordnance Department, to be not unserviceable, or still capable of repair by regimental artificers, the chief ordnance officer will call upon the officer commanding to furnish an explanation for the information of the General Officer Commanding, who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the unit and the new articles issued returned to the Army Ordnance Department, the cost of carriage unnecessarily incurred being defrayed by the officer commanding the unit concerned.

Articles improperly returned.

59. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the chief ordnance officer will also bring the same to the notice of the General Officer Commanding who will determine, by means of investigation of a board of officers, or otherwise, whether the troops are liable.

Articles unserviceable from unfair usage.

60. No reduction in any authorised equipment will be made without the sanction of the War Office, but if, owing to an authorised reduction, or any other cause (*see* also paragraph 43, Part 2, Section XIIa), officers who are accountants have on charge surplus stores or equipments not likely to be again required within a short period, the General Officer Commanding will decide whether they shall be retained or returned to store. If a reduction in the establishment of men or horses be authorised, the stores to be disposed of will be the actual complete sets of equipment in use by the men or horses drafted to other corps or otherwise dealt with as supernumerary.

Surplus equipment.

61. Commanding officers will, previous to change of station, obtain authority from General Officers Commanding to return to the Army Ordnance Department such stores of a bulky nature as they can temporarily dispense with, and, on receiving such authority, will apply to the ordnance officer receiving them for a certificate of their quantity and condition. They will then be enabled, on reaching their destination, to draw from the Army Ordnance Department, on this certificate, an equivalent supply if necessary.

Return of stores by outgoing unit.

62. When it is not advisable to return these stores, as for example, should there be no ordnance dépôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will be taken with the corps, and public conveyance will be provided; but if this be not practicable, and expenses are incurred for carriage from one station to another, the charge must be supported by a list

Stores when to be taken with outgoing unit.

of the stores, and a certificate from an officer of the Army Service Corps that army transport could not be provided.

63. All equipment issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless they are required to be handed over to the incoming unit, when the transfer will be effected through the Army Ordnance Department.

64. Except in the case of a mobilization, the small-arm ammunition in charge of troops, whether service or practice ammunition, will be returned into store previous to their departure from a station, with the exception of a sufficient quantity to provide the guards and escorts with 20 rounds for each man. If no ordnance depôt exists at the station, it will be handed over to an officer of the Army Ordnance Department deputed to receive it, who will at once note thereon the condition in which it was received by him. The service and practice ammunition are to be shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be the authority for the unit to draw a similar quantity at the new station (see paragraph 198). The ammunition given into store in boxes with unopened linings will be available for re-issue to other units, and cannot be objected to.

65. When stores are issued on loan from the Army Ordnance Department (as for instance, for the service of moving ordnance on re-armament), the commanding officer to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

66. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store depôts, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, &c., being left among stores of any kind.

67. Commanding officers are responsible that all chests, cases, barrels, and cylinders, received with equipment of any kind, are handed over as soon as they can be dispensed with to the Army Ordnance Department; and, if possible, without cost to the public. The packages will be addressed:—The Ordnance Officer———. From the Officer Commanding at———.

68. As at out-stations, a consignment of cases, &c., from a single unit might be insufficient to obtain the lower rate of freight, officers commanding troops will arrange, monthly if necessary, for all empty packages to be sent in one consignment to the ordnance depôt concerned. Each package should have clearly marked upon it the name of the unit returning.

69. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

70. When stores are returned by carrier, a carrier's note, Army Form G 980, detailing the number, description, and weight of packages, bundles, and loose articles, and the number of articles contained in each bundle, will be delivered to the carrier. For explosive stores and those conveyed at owner's risk rates by railway in Great Britain, Army Form G 996 will be used in lieu of Army Form G 980 (see Allowance Regulations).

Return of
stores used
locally.

Return of
small-arm
ammunition
by troops on
change of
station.

Stores issued
on loan to be
returned
when no
longer re-
quired.

Explosives
and
matches.

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Return of
empty cases
and pack-
ages.

Monthly
consign-
ments.

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Empty am-
munition
packages to
be examined.
Carrier's
note to
accompany
stores sent
by carrier.

71. When stores are returned into store in packages, a packing note on Army Form G 1028, signed by the packer, and also, if practicable, by the person witnessing the packing, will be placed in each package. Inventory in each package.

72. When stores are forwarded by convoy or under escort, convoy notes, Army Book 158, will be delivered to the officer commanding the convoy or escort, or to the conductor, and the following course will be observed :— Convoy notes to be given to the officer commanding a convoy.

(a) The officer in command of the escort, or the conductor, will satisfy himself that the stores agree with the account given to him, in order that there may not be any subsequent questions as to the correctness of the convoy notes, three of which will be filled up. These will be signed by the officer despatching the stores, and a receipt will be taken on one of them from the officer commanding the escort or from the conductor. The receipted note will be retained by the consignor, and the other two will be carried by the officer commanding the escort or by the conductor to the consignee. One of these will be receipted, and returned to the officer or conductor, and the other kept by the consignee. The day and hour of departure will be inserted upon the convoy notes by the consignor, who will forward the proper issue voucher for the signature of the consignee. In forwarding ammunition it will always be kept separate from other stores (*see* paragraphs 206 to 219). Convoy notes to be prepared in triplicate.

(b) When stores are received from troops, the ordnance officer will demand from the officer in charge of the escort, or from the conductor, the convoy notes, or other receipt vouchers, and having found the articles to be correct, he will return one copy receipted to the officer or conductor, forwarding the usual receipts to the consignor as soon as possible. Should, however, the regular receipt vouchers not be forthcoming, the stores will nevertheless be received; and the ordnance officer will report the omission to the consignor, to whom he will at the same time forward a receipt for the stores actually received. Convoy notes, &c., for stores delivered into store.

(c) When the stores do not agree with the convoy notes, the ordnance officer will inquire into the cause of disagreement. If it appears to arise from negligence or fraud, such measures will be taken as may be requisite in order that the offender may not escape punishment. If it appears to arise from just and fair causes, the ordnance officer will obtain a certificate of any such deficiency, damage, or loss, before the officer in command of the escort or the conductor can be discharged. Should a court of inquiry be necessary, the chief ordnance officer will apply for one to the General Officer Commanding. Deficiency or loss of stores.

73. The fired cases of 1-pr. Q.F. and small arm ball and blank cartridges supplied gratuitously, will be brought on charge by certificate in the percentages shown below, and returned each year, wherever practicable, to the Army Ordnance Depôts from which they were issued. The cases will be brought on by weight and not by numbers. Return of empty cases.

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Equipment
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S.E. of Scotland Artillery
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	Nature of ammunition.	Minimum percentage of fired cases which must be returned to store.	Weight per 1,000 cases.
57			lbs.
Vocabry.	1-pr. Q.F. service cartridge* ..	100 per cent.	360
5887	" blank " " ..	100 "	†
	303 inch ball ..	90 "	23
	" " blank Mark V ..	50 "	23
	" " " " VI ..	50 "	26½
	Pistol, Webley, ball and blank	90 "	10

Rates to be charged or refunded.

The rates to be charged for any deficiencies in the above percentages for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be governed by the rates included in the "Statement of prices obtainable at the Royal Arsenal to guide disposal of produce, &c." (published half-yearly by the Assistant Director of Ordnance Stores, Woolwich Arsenal), plus 25 per cent. for 1-pr. Q.F. cases. These rates will be notified in District Orders.

Mode of return.

Cases will be returned to store in the empty ammunition packages, once a quarter, and in the case of S.A.A. cases, officers commanding will not return a less weight than that representing 1,000 cases, except in the last quarter of the year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed, and that no live cartridges are included in them. Each package will contain a packing note signed by a responsible subordinate on A.F. G. 904, and commanding officers will certify upon the vouchers returning the cases that they have been carefully sorted before despatch. If live cartridges are found in any of the packages, the empty cases in that package will not be credited to the corps concerned, nor will any allowance for collection of such cases be issuable. In such circumstances, the cases will be brought on charge by certificate in the Army Ordnance accounts.

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The number and date of the Ordnance voucher on which the cartridges were received will be quoted on the payment voucher of the officer charging the value of the empty cases.

D.—ANNUAL INSPECTIONS, BOARDS OF SURVEY AND COURTS OF INQUIRY.

Joint inspection by
O.C.B.A.,
C.R.E.,
and C.O.O.

74. The Officer Commanding Royal Artillery, the Commanding Royal Engineer, and the chief ordnance officer, will at least once a year, or whenever necessary, make a joint inspection of works, magazines, stores, workshops, &c., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may

* But any deficiencies accounted for to the satisfaction of the General Officer Commanding may be dealt with by him under paragraphs 539—541 King's Regulations.

† Particulars will be inserted when the pattern is sealed.

be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

75. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

Boards for condemnation of stores.
Full explanation to be given.

76. Articles of equipment which may become unserviceable, owing to accident or otherwise, before the expiration of the period fixed for their duration, are not to be written off charge, nor is the loss to be borne by the public, unless the reason for the article having become unserviceable is fully set forth.

77. When stores or equipment of any kind are lost, destroyed, or injured, and it is a matter for consideration on whom the expense of replacing or repairing them should fall, the course laid down in the King's Regulations will be followed.

Course to be followed when losses, &c., occur.

78. The original report will be forwarded to the chief ordnance officer, and will be accompanied by A.F. G 998, in duplicate, duly filled in. Further action will then be taken as follows:—

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(a) When the report is forwarded by the General Officer Commanding to the War Office for decision, indents for any stores required in replacement may be put forward on the Army Ordnance Department without waiting for the decision of the War Office in the matter. The date and number of the letter from the General Officer Commanding to the War Office will be quoted on the indents.

(b) When the General Officer Commanding dispenses with a court and approves or decides the action to be taken on a report, the date and registered number of such approval or decision will be quoted on the indent on the Army Ordnance Department for any stores required to be replaced.

79. Reports of commanding officers referred to in the preceding paragraph, and proceedings of courts of inquiry, when they refer to arms, must be confined to arms, and must not include reports on other equipment. The number on the barrel, as well as the regimental number of the arm will be recorded therein (see paragraph 118).

Reports of commanding officers, and courts of inquiry.

80. When a damaged arm or barrel is sent to the chief inspector of small arms for special report, a label stating the circumstances and giving the reference number and date of any War Office orders, or proceedings of courts of inquiry, will be attached to the arm or barrel for identification.

Directions as to sending damaged arms to C.I.S.A.
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81. If there be an officer of the Army Ordnance Department available who is not the chief ordnance officer, he will serve as a member of courts of inquiry, where necessary, under the foregoing instructions. The proceedings of such courts will be transmitted in duplicate by the president, direct to the chief ordnance officer. After the General Officer Commanding has recorded his decision the chief ordnance officer will send one copy to the officer commanding the corps concerned, to serve as his authority to write off the stores or demand new articles to replace them.

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An ordnance officer to be a member of the court of inquiry.

Losses incurred by R.A. in moving heavy stores.

82. If the loss or damage has occurred when the Royal Artillery have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight to be lifted, the distance through which the stores are to be lifted vertically or horizontally, and, in the case of sheers, the angle of inclination.

Stores of a technical nature.

83. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the Royal Artillery, Royal Engineers, or any particular service, the General Officer Commanding will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in the King's Regulations dealing with these subjects.

Surveys on equipments of troops proceeding to or returning from India.

84. Surveys on the equipments of troops proceeding to or returning from India, will be held in accordance with the instructions in Appendix II.

E.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

Duty of officers to account.

85. Every officer receiving any equipment, service ammunition, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper Army Forms for all articles leaving his charge.

Regimental and staff ledgers.

86. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paragraphs 87 and 244. Detailed instructions for keeping these ledgers are given in Appendix I. Stores for submarine mining and for permanent military telegraph, telephone and signal stations will be accounted for, when in the custody of the Royal Engineers, as laid down in the Regulations for Engineer Services.

Materials for repairs, &c.

87. Materials for repair, and other consumable articles (except explosives and ammunition) drawn upon regulated scale will not be taken on charge in the equipment ledgers; but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. Packages, including those from the stationery office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

38407
Equipment
2097
Stationery Office packages.
Ammunition.

88. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities drawn for consumption will, as expended, be written off charge by vouchers, signed by the commanding officer; in the case of small arm ammunition as follows:—One dated at the end of the musketry year showing the expenditure to that date since the preceding 31st March and one dated 31st March, when the account is closed. On these vouchers will be given full particulars of the numbers of men, &c., and the paragraphs of regulation or authorised scales of expenditure covering the issues.

89. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded quarterly in accordance with paragraph 23; the unserviceable articles will be returned to the Army Ordnance Department, and the deficiencies written off charge on Army Form P 1925 at the end of each month. The value of the lost, or unserviceable stores (see paragraphs 97 and 98) will be credited to the public in the pay list on Army Form P 1963. The equipment issue voucher for the old stores struck off charge, will give a direct reference to this credit, and the indent for stores in replacement will quote the equipment issue voucher.

90. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorised by the General Officer Commanding. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

91. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey, or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced, will be obtained as laid down in paragraph 78.

92. All stores disposed of locally under paragraph 53, should be written off charge in the equipment account by certificate voucher on A.F. P 1957. The accountant for regimental services, through whom the matter has been adjusted, should duly certify this voucher, and the chief ordnance officer should approve it before the stores are delivered to the purchasers.

93. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the General Officer Commanding, obtained through the chief ordnance officer. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an ordnance officer should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one commanding officer to another on a change of command, which are governed by paragraph 14, or to transfers of submarine mining equipment between the store and vessel ledgers (Army Books 247 and 19).

94. Officers commanding regimental districts will be held responsible for the care and safe custody of such arms and accoutrements as may be kept in store at regimental depôts for issue to the army reserve. These stores will not under any circumstances be taken into use without previous authority from the War Office; and will be accounted for in separate columns of the equipment ledger under the head of "reserve." (See paras. 160 and 161).

95. The unserviceable arms issued for drill purposes will be accounted for in the equipment ledgers, in a separate column, headed "rifles (or "carbines), D.P.," and the arms for aiming tubes in a separate column, headed "rifles (or "carbines), for aiming tubes only."

Articles chargeable to troops and re-placed.

Stores lost, paid for, and subsequently found.

57
St. Lucia

1134
Articles replaced and not charged to troops.

38407
Equip.

2070
Local disposal of stores.

54
Gen. No.

8844
8

Equip.

52
Transfer of stores from one charge to another.

Custody of arms and accoutrements of army reserve.

DP. arms and arms for aiming tubes.

Equipment
accounts of
detach-
ments.

96. Officers commanding the following detachments will become direct accountants for their equipment. On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from the unit or units furnishing the men. The General Officer Commanding will report to the War Office the circumstances rendering the opening of a fresh account necessary :—

Cavalry
depôts.
Detach-
ments left
behind.

(a.) Depôts of cavalry regiments in the colonies and Egypt.

(b.) Detachments left behind in quarters by units proceeding on active service. In such cases the equipment of each detachment will be accounted for in a separate ledger, whether the detachments remain independent, are attached to units, or are formed into provisional battalions, except only on the absorption of a detachment into its territorial dépôt or other unit, when the equipment will be transferred to the ledger of that dépôt or unit, as directed in Appendix I. The marking on the equipment of men left behind will not be altered unless they are permanently transferred.

Detach-
ments
serving
abroad.

(c.) Detachments serving abroad, and separated from their headquarters for lengthened periods, and by considerable distances.

Detach-
ments of
R.E.

(d.) Detachments of Royal Engineers, serving abroad belonging to companies serving at home, or *vice versa*, until the detachments rejoin their companies. Detachments of Royal Engineers serving at home, belonging to companies serving at home, will be governed by paragraph 34.

Detach-
ments of mis-
cellaneous
corps.

(e.) Detachments of the Army Service Corps, Royal Army Medical Corps, and Army Ordnance Corps stationed abroad.

Charges for
loss or
damage to
personal
equipment.

97. A soldier, who by neglect or culpable mismanagement, loses or damages any article of his personal equipment, will be charged as follows :—

(a) *Repairable damage* :—

Actual cost of repair, including both wages and materials or components. As regards small arms, the charges will be in accordance with the scale laid down in Regulations for Army Ordnance Services, except that barrels slightly rusted inside will be thoroughly cleaned by the armourer-serjeant at a charge of 4d. each.

(b) *Loss or damage beyond repair* :—

The proportionate value of the article for the unexpired period of duration, provided that, (1) the maximum charge for any one arm shall not exceed 40s., unless the soldier has been sentenced by court martial to pay a higher amount, (2) and the minimum charge shall not in any case be reduced below one quarter of the full value of the article, even though it has been in use for the full period of duration.

Twelve years will be taken as the period of duration for any article for which no period has been laid down ; and the unexpired period will be calculated in half-years, any period of less than six months being charged against the soldier as a full half-year. The rates upon which the calculations will be made are those laid down in the priced vocabulary of stores.

98. Culpable repairable damage to equipment, other than personal equipment in possession of a soldier, will be charged for as in paragraph 97 (a). Charges for such equipment when culpably lost or damaged beyond repair will be made as in paragraph 97 (b) if the proportionate value can be estimated or ascertained; if not, the full value will be charged. Any evidence as to the proportionate value will be recorded in the proceedings of the court of inquiry or other authority which investigates the loss.

Charges for culpable repairable damage to other than personal equipment.

Charges for deficient camp equipment will be assessed as directed in paragraph 245.

99. The authority of the chief ordnance officer will be sufficient for any charge in the pay lists on account of equipment. When officers against whom claims are made have no cash account with the War Office, payment will be made by them to the accountant for district services.

Authority for charges on account of equipment.

100. When articles are ascertained to have been lost by desertion they will be struck off charge on Army Form P 1925, supported by a certified copy of the proceedings of the court of inquiry (Army Form B 115), held under Section 72 of the Army Act

Losses through desertion.

101. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

Articles brought back on a deserter rejoining. Articles deficient on deserter rejoining.

54
Gen. No.
8946

102. A deserter rejoining will, by sentence of a court martial, or award of competent military authority dispensing with his trial, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

103. At the end of each month a return will be prepared on Army Form P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 97 to 102. The stoppage returns will be made out by squadrons, batteries, or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

Returns of stoppages.

104. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

Losses through glandered horses.

105. The undermentioned articles will not be brought into equipment ledgers, or accounts of artillery works, or positions :—

Articles locally accounted for.

(a.) Articles supplied to the general staff for local use, except camp equipment, which will be accounted for to the Army Ordnance Department as laid down in paragraph 244.

Supplies to the general staff.

(b.) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (Army Book 165).

Boats, barges, &c.

(c.) Barrack stores not forming part of the fixed equipment of the Royal Artillery or other corps, or issued by the Army Ordnance Department for use in camps. Also disinfectants.

Barrack stores. Disinfectants.

- Candles, oil, and wick. (d.) Candles, oil, and wick for magazine lanterns and signalling lamps. (These are obtained from the Army Service Corps.)
- Books, lithographs, &c. 106. Official books, printed records, lithographs,* and maps obtained from the Army Ordnance Department, except the hand books included in corps details, will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.
- Certificate as to their correctness to be furnished. 107. Accountants to the War Office will furnish with their periodical accounts a certificate that the list or catalogue alluded to in paragraph 106 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.
- On change of command. 108. On changes of heads of departments, staff officers, or commanding officers, the officer assuming charge will verify the lists and report any deficiencies.

SECTION III.—ARMS, ACCOUTREMENTS, AND ARM CHESTS.

A.—GENERAL SUPPLY OF ARMS AND ACCOUTREMENTS.

- Details. 109. The arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in Equipment Regulations Part 2.
- Establishment kept up. 110. Units will always have, during peace, arms and accoutrements for their full peace establishment.
- Transfer prohibited. 111. Arms and accoutrements being regimentally marked may not be transferred from one unit to another, except in time of war, and as directed in paras. 132 and 134.
- Supply of extra service arms and accoutrements. 112. *Extra service* arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to accounting units temporarily augmented. Arms so issued, being specially marked will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the corps leaves the station, unless it may be necessary to send them away with armed drafts, in which case, a return of the number of arms sent away and of their marking will be at once made by the commanding officer to the Army Ordnance Department. These arms will be shown in returns and accounts as "extra service" arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.
- D.P. arms for use of recruits. 113. *Drill purpose* arms at the rate of 50 per battalion of infantry will be issued on demand, at home stations, as they become available, to officers commanding, for the use of recruits. They will be supplied in the manner laid down for extra service arms; and on a regiment receiving orders to leave its station, officers commanding will make application to the chief ordnance officer for the return to store of the arms or transfer to the relieving battalion, as may be directed. These arms will not be

used for ball firing, and no charges for damages will be made, except for such as are manifestly wilful.

114. The practice swords supplied in conformity with the barrack schedules will invariably be used (with the service scabbards) by recruits and young soldiers at drill, mounted or dismounted, instead of their service swords; also by all soldiers at "sword post practice," etc., and at competitions and practices in which swords are liable to strike each other. Practice swords.

115. When Magazine Lee-Metford rifles Mark I* are supplied to rifle battalions and mounted infantry, a butt-swivel will be issued for each arm, to be screwed in by the armourer serjeant. All other magazine rifles have swivels screwed in before issue. Butt-swivels for rifles.

116. All the arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially detailed for that duty by the chief inspector of small arms. An application for the services of a viewer for this purpose will be made by the commanding officer of the corps concerned, through the General Officer Commanding. Examination of arms on return from service abroad.

117. The viewer will report specially on the condition of the arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the arms have been caused by neglect, or by fair wear and tear, due to exceptional service, or to the effects of climate. Duties of viewer.

118. In all reports relating to rifles, the number of the arm and the name of the factory at which it was manufactured will be stated. The number of the rifle and the name of the factory will be found stamped on the body. Reports relating to rifles.

B.—SUPPLY (INCLUDING AMMUNITION) FOR TROOPS ON BOARD SHIP.

119. When the General Officer Commanding is apprised by the War Office of the strength of the units or detachments intended to embark for service abroad, otherwise than for India, on board a vessel starting from a port in his command, which may subsequently call for some of these troops at other ports at home, he will cause all particulars to be notified to the chief ordnance officer concerned. Notification of troops about to embark.

120. The chief ordnance officer will cause the arms, accoutrements, ammunition, and other stores, in the prescribed proportions, to be placed on board, whether the whole of the troops embark at the original port of embarkation, or portions are subsequently to be taken in at other ports, and whether the troops are stationed in his district, or in any other part of the United Kingdom. In the case of units, officers commanding will demand the ammunition allowed in the usual way from the local ordnance officer, and the indent will be forwarded to the chief ordnance officer at the port of embarkation. C.O.O. to place on board the arms, accoutrements, &c., for drafts.

121. The following are the stores and the proportion in which they will be placed on board ships conveying armed and unarmed troops:—

Armed Troops (on Imperial Service).

Cartridges, small arm ball, } 200 per rifle or carbine to be regarded
303-inch cordite } as service ammunition.

54
Grenadr. Gds.
12
120
Cape
2505

Unarmed drafts on Imperial Service or when going to India in freight ships:—

For exercise during voyage	Rifles, magazine	...	...	10% of strength on
	Belts, waist...	...	...	board (except in-
	Frogs, sword and bayonet	...	...	valids and time
	Pouches, ammunition	...	...	expired men).
Cartridges, small arm ball,	60 per rifle.	To be used in emergency		
303-inch cordite	...	only.		
Handcuffs	...	...	pairs	1 per 100 men.
Rifle oil or	...	...	pts.	18
Mineral jelly	...	...	lbs.	36
Flannelette (4 inches wide)	...	...	yds.	233
Pullthroughs	...	...	2	

Drafts only (armed or unarmed).

Bugles 1

The following will be placed on board all transports:—

For recreative purposes	Clubs, infantry, No. 2	...	...	sets	4
	Dumb-bells, short, 10 lbs., Mark I	...	...	"	12
	Boxing gloves, Bryan's champion, 14 to	...	...	...	...
	16 ozs.	...	...	pairs	4
	Bars, horizontal	...	...	...	1

The officer commanding the troops on board will be responsible for the care and custody of the stores issued under this paragraph, which will be dealt with as laid down in paragraph 127.

Before the ship sails, commanding officers will ascertain that the ammunition to accompany the troops has been placed on board and properly secured in the magazine.

122. When troops are proceeding on active service, a supply of small arm ammunition will be placed on board for musketry practice during the voyage. The quantity to be expended will be notified at the time.

123. When arms are thus issued for drafts proceeding to India in freight ships or transports, repayment vouchers will be put forward in order that their value may be claimed from the Government of India.

124. A supply of arms will be kept throughout the season on board all transports when employed on Indian trooping service. The General Officer commanding the Southern District will arrange for the shipment, and for the return of the arms to the Army Ordnance Department at the end of the season, to be held on charge for India for re-issue.

125. Intrenching implements for one battalion of infantry will be packed in cases and together with 200 rounds of 303-inch small arm ammunition per man will be placed on board all ships conveying troops to or from India, for the equipment of units in the event of their being diverted on the voyage and landed elsewhere. One box, tool, regimental armourers', fitted with a set of tools as specified in Appendix IV., will likewise be placed on board ships conveying battalions of infantry or regiments of cavalry to or from India. These stores will be placed in charge of the master of the ship, and will be returned to store by him if not issued to the troops at the end of the trooping season. He will give a receipt to, and receive a

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Gen. No.
4652

104

Gen. No.
3045

Value of
arms to be
claimed
from India.

Supply of
arms on
board
transports
for India.

Intrenching
implements
and ammu-
nition to be
stored on
ships con-
veying
troops to
India.

38407

Equipmt.
2034

voucher from, the Army Ordnance Officer who ships them, and will in the same way obtain a receipt from that officer on giving them into store, or from the officer commanding the battalion if issued on emergency.

126. Each ship embarking remounts will be supplied, from the remount depôt sending the horses, with the following articles:—

Rugs, horse	...	...	...	...	1 per horse.
Shoeing tools, sets*	...	...	...	...	3 per ship.
Shoes, horse (spare), without nails (sets)	...	...	...	...	5 per 100 horses.
Nails, horse shoe, sets	...	...	...	...	20 per 100 horses.
Clippers, horse, pairs*	...	...	...	...	4 per 100 horses.
Greener's humane killer*	...	...	...	...	1 per ship.
Cartridges for above	...	...	...	...	50 per ship.

Remounts.

57

Cape

590

127. The method of accounting for stores issued under the authority contained in paragraphs 121, 125, and 126, will be as follows:—

Method of accounting.

(1.) When an acting quarter-master-serjeant is appointed to the ship, the arms, ammunition, and other stores (including books) will, under the superintendence of the officer commanding troops on board, be entered by him in Army Book 165 in the form of an equipment ledger (*see* Appendix I). On the termination of the final voyage of the season, the ledger will be balanced and forwarded to the chief accountant of the command. The stores remaining on charge will be handed over to the nearest army ordnance depôt by the store accountant on board ship, issue vouchers being passed.

120

Cape

2595

8

Equipt.

60

(2.) When an acting quarter-master serjeant is not appointed, the chief ordnance officer at the issuing station or officer commanding remount depôt, will forward a list of the stores issued, to the ordnance officer at the port of disembarkation, when this can be ascertained. The officer commanding the troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the stores at the termination of the voyage to the ordnance officer at the port of disembarkation. In the case of ammunition, &c., expended, the officer commanding will give a certificate that such expenditure has been necessary, detailing the circumstances. Deficiencies will be dealt with as laid down in the King's Regulations. Certificates relating to expended stores, and correspondence respecting deficiencies, will be attached to the voucher bringing the remainder of the stores on charge in the army ordnance department accounts. If any stores are disposed of *en route* at intermediate ports, the officer commanding will obtain temporary receipts and attach them to the original vouchers.

(3.) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the stores off charge.

C.—SUPPLY FOR ARTILLERY CLERKS AND ENGINEER STAFF CLERKS AND MILITARY POLICE, &c.

128. The arms, accoutrements, and ammunition for Artillery clerks, Engineer staff clerks and for serjeant instructors of

Demanding and accounting.

* Woolwich and Southampton only. The Woolwich Remount Depôt will supply tools and clippers for ships starting from London and the Southampton Depôt ships which sail from that port.

gymnasia, at the several stations and districts will be demanded and accounted for by the staff (or other) officer under whom they are serving. Equipment for staff clerks in Royal Engineer offices, military foremen of works, and military telegraphists, will be demanded and accounted for by Commanding Royal Engineers, except in the case of the Superintendent of Building Works, Royal Arsenal, Woolwich, who will be a direct accountant for the equipment of the staff under his orders.

54
Engineers.
336
Rifles for
super-
numery
staff R.E.

129. Magazine rifles will be issued to the supernumerary staff Royal Engineers, for use at shooting competitions, rifle meetings, &c., at all stations at which such an issue is desired. The arms will be held on charge by Commanding Royal Engineers in the equipment ledger of the supernumerary staff. The number issued must not at any time exceed 25 per cent. of the local strength of the R.E. supernumerary staff. A proportionate part of the cleaning materials allowed by Appendix VIII may be drawn.

On change of
station.

130. When an Engineer staff clerk, military foreman of works, military mechanist, or military telegraphist of the rank of quartermaster-serjeant, moves from one station to another, he will take his arms and accoutrements with him, care being taken that receipt and issue vouchers are sent by the accountant to the station to which the warrant or non-commissioned officer is proceeding. In the event of the arms and accoutrements being surplus in consequence of an Engineer staff clerk, military foreman of works, military mechanist, or military telegraphist becoming non-effective, they will be returned to the nearest ordnance depôt.

In the case of Artillery clerks, the arms and accoutrements are held on charge by the officer commanding the company to which they are attached.

Equipment
of military
police.

131. The equipment of the military mounted and foot police will be demanded and accounted for by the provost-marshal, Aldershot.

D.—SUPPLY FOR ROYAL ENGINEERS (EXCEPT THOSE DEALT WITH UNDER PARAGRAPHS 128-131), ARMY SERVICE CORPS (AND STAFF CLERKS ATTACHED THERETO); ROYAL ARMY MEDICAL CORPS, ARMY ORDNANCE CORPS; AND ARMY PAY CORPS.

Royal
Engineers.

132. The arms and accoutrements of dismounted men of the Royal Engineers, except carbines of men armed with that weapon, will be transferred from unit to unit and from station to station with the men, by regular voucher, from one accountant to another.* The arms and accoutrements, however, of mounted men, and the carbines of dismounted men armed with that weapon, will not be transferred with the men but will remain in charge of the several units.

Charge of
mounted
portion and
station staff,
A.S.C.

133. With the exception of those for warrant officers, the arms and accoutrements of the mounted men of the Army Service Corps, and those of the mounted station staff, will remain on charge

* These instructions will not apply to men proceeding to India.

of the companies and stations respectively, and will not be transferred with the men. Those of the station staff will be accounted for by the dépôt, or by one of the mounted companies at the station.

134. The arms and accoutrements of all warrant officers of the Army Service Corps, and of the dismounted portion of the Army Service Corps, including any staff clerks attached thereto, also those of the Royal Army Medical Corps and Army Ordnance Corps, will, in all changes of station, be taken with the warrant officers, non-commissioned officers, and men, and will, except as provided in paragraph 135, be transferred by regular voucher from one accountant to another. A reasonable supply will always be retained in store at the dépôt, Royal Army Medical Corps, Aldershot, for issue to recruits.

Warrant officers and unmounted portion of A.S. corps of R.A.M. corps and A.O. corps on change of station.

135. All serviceable surplus arms and accoutrements of the dismounted men of the Royal Engineers, the dismounted portion Army Service Corps, the Royal Army Medical Corps, and the Army Ordnance Corps, caused by men becoming non-effective, &c., will, except as provided in paragraph 136, be transmitted "in transit" through the Army Ordnance Department, as follows :—

Surplus arms and accoutrements.

54

Engineers

504

Royal Engineers, to "G" dépôt company at Chatham.

Army Service Corps, to dépôt at Aldershot ("A" supply Co. A.S.C.).

Royal Army Medical Corps, to dépôt at Aldershot.

Army Ordnance Corps, to dépôt at Woolwich.

The articles will be charged by voucher direct to the dépôt, and the consigner will be held responsible that they are properly packed, and the arms sufficiently protected by "composition preserving arms" (to be obtained, if necessary, from the Army Ordnance Department), in order to prevent damage by rust in the event of any delay in transit occurring.

136. At stations abroad, officers commanding detachments will not send home the surplus arms and accoutrements if there is a probability of vacancies being filled up locally in the departmental corps by volunteers from the garrisons, to whom the arms and accoutrements could be issued on the spot.

Corps. Stations abroad.

137. The arms and accoutrements of the Army Pay Corps will be demanded and accounted for by the accountant under whom the men are serving, and will be dealt with as directed in paragraph 130.

Arms, &c., of Army Pay Corps.

In the case of a promotion necessitating a change of arms and accoutrements, the change will be carried out locally.

E.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA AND COLONIAL STATIONS.

I.—INDIA.

137A. The arms and equipment of such drafts will be dealt with as laid down in Appendix II.

54

Gen. No.

9859

II.—COLONIAL STATIONS.

137B. Except as otherwise provided for, warrant officers, non-commissioned officers, and men proceeding as "drafts" should, under ordinary circumstances proceed unarmed, but each should take the following items of equipment :—

Waterbottle with strap, carrier or carriage for same.

Haversack.

Mess-tin.

Cover for mess-tin (dismounted men).

Strap for mess-tin (mounted men).

When any amendment to the foregoing is necessary, special instructions will be issued by the War Office.

F.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

Articles for
musketry
instruction.
Return to
store.

138. Articles for musketry instruction will be supplied in the proportions shown in the several sections of Equipment Regulations, Part 2.

They will be accounted for as equipment and returned into store upon embarkation for active service.

G.—SUPPLY OF ARM CHESTS.

Supply and
repair of
arm chests.

139. Regimental arm chests or cases, with hinges, suitable for the packing of rifles and carbines, are issued by the Army Ordnance Department for use during peace as ordinary equipment, at the rate of one chest or two cases for each company of garrison artillery, unit of Royal Engineers, and company of infantry, and two chests or four cases for each squadron of cavalry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in the Allowance Regulations. These packages will only be supplied to the above-mentioned services, and the chests will be returned to store prior to embarkation to India, and cases drawn as required.

SECTION IV.—REGIMENTAL TRANSPORT.

Regimental
transport.

140. One complete set of regimental transport, as laid down in Section I, Part 2, Equipment Regulations, will be provided for each regular battalion of infantry at home (except for the battalion stationed in Jersey), and will be held on equipment ledger charge.

On change
of quarters.

141. In the event of a unit permanently changing its station or barrack, the complete set of regimental transport, including shoeing tools, will be transferred to the relieving unit. In case of delay in the relief of one unit by another, the General Officer Commanding will arrange for the temporary custody of the regimental transport, and will direct the officer to whom it is handed over to take it on charge in his equipment account. These stores are issued for instruction in transport duties, but will be kept at all times fit for actual service. This transport may be temporarily detached from its station when required to accompany the unit to camps, on manœuvres, &c., under instructions from the General Officer Commanding.

54

Cavalry

531

To be kept
efficient.

As to repair.

Materials for
repair.

142. The equipment will be kept in repair by the regular artificers of the troops at the station, as the General Officer Commanding may direct, under paragraphs 349 and 350. Necessary materials for the repair of harness and saddlery in use with

regimental transport will be supplied on demand, as actually required. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office.

Employment
of private
tradesmen.

SECTION V.—MOBILIZATION EQUIPMENT.

143. At certain stations the mobilization equipment will be in charge of the officer commanding, and accounted for at the end of the equipment ledger of the unit, pending mobilization.

Mobilization
equipment
at single
unit
stations.

The separate account of mobilization equipment during peace should be discontinued on mobilization. The articles of mobilization equipment will be then transferred to the respective ledger folios upon which similar articles of peace equipment only had previously been accounted for. The new entries to read "Transfer, *vide folios*," and the scored-out balance at the old "separate" account to have the reference "*See folio*"

Mobilization
equipment
account,
when to
cease.
38407
Equip.
2097
40116
6257

against the various items.

The authorised scale of equipment is published from time to time in mobilization store tables (Army Form G 1098 series).

Officers commanding units, who have mobilization equipment in charge, are responsible to the General Officer Commanding that it is correct in every respect, and fit for service; that the instructions given in Regulations for Army Ordnance Services as to custody and arrangement of mobilization stores, are carried out with regard to it, and that, subject to the following exceptions, and to paragraph 148, no portion of it is taken into use without special War Office authority obtained through the general officer commanding.

Responsi-
bility
of officers
for.

In the event of vehicles belonging to mobilization equipment in charge of batteries of Royal Artillery being temporarily and unavoidably required to replace peace equipment vehicles under repair or otherwise not available, or, in the event of water or small arm ammunition carts belonging to the mobilization equipment of units being necessarily required in the district for use on field days, or at manœuvres and camps of instruction, the temporary issue of these vehicles may be sanctioned by the general officer commanding who is, in both cases, responsible that they are returned to store in a thoroughly serviceable condition when no longer required. Special articles of the technical equipment of Royal Engineer units, the fitness of which for service can only be verified and maintained by occasional use may be used, at the discretion of the officer commanding the unit, to insure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements, and they are to be kept quite separate from the peace equipment; a book is to be kept by the officer commanding the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used, and the condition after testing or use. Special attention should be paid that the saddlery and harness is kept properly dubbed and in good condition.

Use of,
during
peace.

(Eq. R.)

C

Disposition, care, and custody of mobilization equipment.	144. Mobilization equipment in charge of units will be kept entirely separate from the peace establishment equipment; and on a unit quitting the station the mobilization equipment will, in the absence of an order to the contrary, be handed over to the officer commanding the relieving unit.
Mobilization store tables.	145. Mobilization store tables of the latest editions will be kept with the equipment of units, and officers commanding units, whose mobilization equipment is in charge of the Army Ordnance Department, will always have copies of these tables in possession.
Equipment to be kept serviceable.	146. On mobilization being ordered, the store table will be the guide as regards the articles of ordnance equipment which a unit takes with it into the field. It is, therefore, of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the store table, required for war, should be at all times complete and serviceable.
Commanding officers to check mobilization equipment in A.O.D. charge.	147. When mobilization equipment is in charge of the Army Ordnance Department at or near the station of the unit, the commanding officer will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the General Officer Commanding.
Date of inspection to be stated.	Commanding officers will arrange the date for these inspections with the chief ordnance officer.
Mobilization equipment to be drawn annually for packing inspection, &c.	148. Officers commanding units having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in Army Ordnance Department charge, will attach a certificate to Army Form B 89 or 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.
8	Once in each year the mobilization equipment in charge of units (except harness, saddlery, and pack-saddlery), and where circumstances admit of it, the mobilization equipment held for units by the Army Ordnance Department (with similar exceptions), will be drawn by them, and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed, as far as is practicable.
Equipment	Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district; and old blankets in rolls of 20, as well as old camp kettles will be issued, if possible, in lieu of the new articles.
31	At the end of the course, the unit will perform a route march with its transport packed as for service, if arrangements can be made for horsing the vehicles; the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace.
38407	149. As regards the turnover of stores in the case of all units holding mobilization equipment, when new articles are required to replace unserviceable ones in the peace equipment, indents should be forwarded to the Army Ordnance Department in the usual manner, but it should be stated thereon which of the articles demanded can be transferred from the mobilization equipment.
Equipt.	The chief ordnance officer will notify which of the articles may be transferred from the mobilization to peace equipment to meet the indent, but no stores should be so transferred until similar articles from Ordnance Depôts are actually on the spot to replace
1968	
47	
Dublin	
5934	
Turnover of stores.	
57	
Devonport	
5289	
40116	
6257	
Marking stores with date of issue from mobilization equipment.	

them. The chief ordnance officer will also arrange for articles which are issued from the mobilization equipment being marked with the date of issue before transfer to peace equipment takes place.

150. The "turnover" of ammunition for Royal Horse and Field Artillery guns (except Q.F. 15-pr.), stored in ammunition park, ammunition column, and battery equipments at home, should be carried out on the following lines, to ensure the expenditure of ammunition of the oldest date of manufacture. Under existing arrangements supplies of ammunition are made from Woolwich, on demand, to stations termed distributing depôts in the Alder-shot, Irish, Eastern, and Southern Commands and London District, from which supplies are drawn to fill up columns and batteries in other commands as laid down in special instructions which have been promulgated. Assistant Directors of ordnance stores and chief ordnance officers of the commands or district in which the distributing stations are situated will be held responsible that ammunition of the oldest date of manufacture is issued from the ammunition parks and columns to the batteries, commands or district which they supply, and that, as far as possible, newer ammunition, to replace such withdrawals, is available in the command before the columns and parks are depleted. In the event of supplies not having been received the issues to batteries or districts should not be delayed. Further instructions will be issued from time to time regarding necessary changes in the details of the system, and in the event of the supply of new ammunition failing to arrive in sufficient time to admit of simultaneous withdrawal from, and replacement in, the stores of any unit, a special report of the deficiencies will be made to the Assistant Director of Ordnance Stores, Woolwich Arsenal.

151. When sanction is given by the War Office for the transfer of mobilization stores from Army Ordnance Department charge to the custody of a unit the officer commanding the unit will be responsible that the stores are arranged in accordance with the regulations (see para. 143), and will, if necessary, apply to the chief ordnance officer for skilled departmental labour for carrying out the service in the first instance.

When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual way, and should any discrepancies exist, full explanation of each will be afforded by the officer commanding the outgoing unit.

151A. All vehicles, spare wheels and harness and saddlery in possession of units as mobilization equipment will be inspected once every three years by Inspectors or artificers of the inspection branch; and a permanent record showing:—

(a) The dates (year and month) of all inspections.

(b) The dates (year and month) on which harness and saddlery were last dubbed, lacquered, &c.

will be kept on Army Form G. 1089, which should be affixed to an inventory board to be hung up in each storehouse.

152. The instructions for the preservation of harness and saddlery, given in Regulations for Army Ordnance Services, will be followed for the harness and saddlery of mobilization equipment.

Cleaning materials, according to the following scale will be allowed for this purpose:—

(EQ. R.)

38407
Equipt.
2097
Turnover of
gun ammuni-
tion in
Horse and
Field
Artillery.

38407
Equipment
2101

Arrange-
ment of
mobilization
stores in
storehouses.

Handing
over mobili-
zation
equipment.

Inspection
of mobiliza-
tion vehicles,
&c.

79

377

Preservation
and cleaning
materials.

		Annual proportion for each.		
		10 sets of harness (double).	10 sets of saddlery.	10 sets of pack-saddlery.
57				
Gen. No.				
3164	<i>Woolwich Section, No. 11.</i>			
54	Dubbing† lbs.	2	1	1
Gen. No.	Naphthalene* ozs.	5	2½	4
9805	Oil, rape qts.	2	½	½
57	Tallow, Russian or home-			
Gen. No.	melted English†† lbs.	½	¼	—
6526	Varnish for bright work§ .. pints	½	⅓	⅓
54				
Gen. No.	<i>Woolwich Section, No. 30.</i>			
5127	Linen, old „	1	½	½

Sizes of neck collars.

153. When neck collars are stored with harness in mobilization equipment charge, the sizes of the same should be in the following proportions for the services named :—

Service.	Sizes and proportion per 100 collars.								
	21 in.	21½ in.	22 in.	22½ in.	23 in.	23½ in.	24 in.	24½ in.	25 in.
Royal Engineers	6	20	20	22	20	7	3	1	1
Army Service Corps and regimental transport of cavalry and infantry	2	20	20	24	15	8	7	3	1

Harness, &c., for registered horses.

Spare articles.

Inventory forms.

54
Artillery
1256

Material for cleaning and preservation not to be used until arrival.

154. The proportion of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization—with instructions relating thereto—are detailed in Appendix VIIIA.

155. Spare articles on peace charge, if liable to be expended during peace, are not to be regarded as being available on mobilization.

156. Inventory forms (Army Form G 1096 series containing printed lists of components, accessories, &c.) will during peace be pasted on one side of inventory boards issued with vehicles allotted to units as war equipment.

157. Officers commanding units will be held responsible that the stores for the cleaning, preservation and repair of mobilization equipment are actually in possession, and will sign the certificate to that effect at the end of the equipment ledgers.

They will not be taken into use until units arrive at their places of assembly or war stations, previous to which period their requirements will be met as follows. Units existing in peace will use up

* For pannels, saddle blankets, and numnahs. These quantities are only inserted as a guide in preparing indents, but supply may be made as local circumstances require under the authority of the G.O.C.

† For officers' saddlery; seats and flaps of saddles; buckets, carbine and lance at the times specified in the Regulations for Army Ordnance Services.

‡ Dubbing and tallow for mobilization store purposes, calculated on the annual allowance, may be drawn biennially or triennially to meet the periods in which the articles are to be treated.

§ To be drawn biennially or triennially as required.

the balance of their peace supply. Units that do not exist in peace (or units not having a sufficient balance of their peace supply) will be provided for on the peace scale under the authority of the General Officer commanding.

158. With every set of horse shoes, sixty nails will be stored for use on active service.

159. Tools, opening packages, will be allowed for each reservist's equipment store, as follows :—

Woolwich Section, No. 7.

Chisels, ripping	....	....	....	....	1
Drivers, screw, G.S., 9-inch	....	....	....	....	1
Hammers, fitters', 24-oz.	....	....	....	....	1
Knives, laboratory	....	....	....	....	1
Nailpullers	....	....	....	....	1

Tools, opening packages for reservists' stores.

40116

7196

160. The responsibility for the care and custody of reserve arms and accoutrements at the head quarters of regimental depôts lies with the officer commanding the regimental district (*see* para. 94). Arrangements will be made for the examination of the arms to ensure that each individual one is inspected, and re-oiled on the outside, at least once in every three months. The insides of the barrels should be wiped out, examined, and re-greased with the diluted composition referred to in paragraph 161, or a mixture of 95 per cent. mineral jelly and 5 per cent. beeswax, once in 18 months; but if any appearance of rust be observed in the muzzles at the quarterly inspections, such barrels should be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer. The services of the non-commissioned officers of the permanent staff of Militia battalions may be utilised for the performance of this work. These reserve arms will also be periodically inspected by viewers detailed by the Chief Inspector of Small Arms in the same manner as those in use by the Militia battalions.

Responsibility for reserve arms and accoutrements at regimental depôts.

161. The annual allowance of materials for cleaning and oiling arms, and for their preservation, whilst kept in store at regimental district head quarters for issue to Army Reserve, will be as follows :—

Materials supplied.

Composition, preserving arms (or a mixture of 95 per cent. mineral jelly and 5 per cent. beeswax)	 lbs.	16'	} For every 1,000 stand of M.L.M. arms.
*Oil, Rangoon....	 galls.	1½	
Flannelette (4 inches wide)....	 yards	38	
Sheeting, old....	 lbs.	10	

57

Gen. No.

2691

4652

The "composition, preserving arms" should be diluted with Rangoon oil to about the consistency of cream (one part of composition to two parts of oil), and applied to the insides of barrels, and to the flannel portion of the armoury plugs. Rangoon oil, alone, will be used for the working parts of the action, and for the exterior of the barrels.

No materials are required for accoutrements.

* In cold climates, where the temperature is likely to fall below 10° F., "Oil, petroleum, Russian, lubricating," should be drawn in lieu (*see* footnote to Table 9, Appendix VIII).

SECTION VI.—MACHINE GUNS AND 1-Pr. Q.F. GUNS (POMPOMS).

Allotment.	162. Machine guns— (i.) Will be issued to stations at home and abroad to form part of the armament available for general or local defence. In cases where these guns would be liable to deterioration if left mounted, they should be kept in their chests in store, ready for immediate use. (ii.) Will be issued to regiments of cavalry, machine gun sections of mounted infantry, and battalions of infantry—(regulars, militia, and volunteers)—who will account for them in the regimental equipment ledgers. On relief, they will be handed over by the outgoing, to the incoming unit, issue and receipt vouchers being passed in the usual manner.
Accounting for.	
Barrels.	163. Maxim machine guns in possession of regiments of cavalry, sections of mounted infantry, and infantry battalions, as part of their regimental equipment, will be provided with four barrels, viz. :— (i.) One in use, serviceable, to be returned to store on mobilization. (ii.) One old, or unserviceable marked “D.P.” for drill purposes, or blank firing only, to be returned to store on mobilization.* (iii.) One new, spare, in regimental charge, to be taken into use on mobilization. (iv.) One new, spare, to be held in mobilization store, to accompany the unit as the spare barrel on mobilization.
Pompoms.	164. Pompoms will be issued to regiments of cavalry and battalions of mounted infantry in the proportion of one gun per regiment or battalion.
57 Gen. No. 5614	The guns allotted to cavalry will form part of their peace equipment, and will be accounted for in the regimental equipment ledger. On relief they will be handed over by the outgoing to the incoming unit, issue and receipt vouchers being passed in the usual manner. The guns for mounted infantry battalions, which do not exist as such in peace, will be stored with the mobilization equipment of the units, and accounted for as laid down in Section V.
Monthly examination.	165. To ensure that pompoms and machine guns are kept in readiness for immediate service, they will be examined at least once a month (except boxed machine guns, which should be examined quarterly) by a competent armourer-serjeant or armament-artificer who has been through a course of machine guns at Enfield Lock, and any repairs necessary, which can be done locally, will be carried out. Should there be no armourer-serjeant or qualified armament artificer at the station, the service will be carried out under arrangements to be made by the General Officer commanding. An examination will be made after every occasion on which practice is carried out, and before the guns are replaced in their cases.
Dummy cartridges.	166. To facilitate the examination, &c., each armourer-serjeant and armament-artificer will be supplied with 3 dummy cartridges of each nature of gun under his charge.

* These will be supplied as they become available.

167. When officers commanding units of cavalry, garrison artillery, and infantry, and sections of mounted infantry, in possession of machine guns of .303-inch calibre, find that the shooting of any gun falls off, and that the barrel appears worn, a diagram of 10 shots will be taken at 500 yards (three shots being first fired as trial shots in order to give the barrel a chance of settling down); and if the figure of merit exceeds 1.50 feet for 500 yards, they will at once have the gun stripped by an armourer-serjeant or qualified armament-artificer, and the doubtful barrel replaced by a new one.

Defective shooting.

168. When any part, other than a spare part, of a gun mounting (cone, parapet, field, or tripod) becomes unserviceable, the part should, if possible, be replaced by one of local manufacture. In fitting the part to the mounting the latter should not be altered.

Local manufacture of parts required for replacement.

169. At home stations, when a machine gun or mounting requires more repair than can be carried out locally, or a barrel has been withdrawn under paragraph 167, it will be sent in the case of the gun and barrel, cone, and parapet mountings, by the most economical route, either direct, or through the Assistant Director of Ordnance Stores, Woolwich Arsenal, to the Chief Inspector of Small Arms, Enfield, and in the case of all pompom equipment, machine gun field carriages or tripods, to the Assistant Director of Ordnance Stores, Woolwich Arsenal, for necessary repairs to be carried out.

Repair at Enfield and Woolwich.

The arrangements for despatch will be made by the chief ordnance officer, to whom all applications will be addressed.

Vouchers will be passed to the Assistant Director of Ordnance Stores, Woolwich Arsenal, under all circumstances, notifying when and by what route the guns, mountings, &c., have been sent.

The re-issue of guns, &c., will be conducted on the same principles.

170. If found to be necessary, a viewer can be sent to examine guns at home stations, on application being made to the Chief Inspector of Small Arms, through the chief ordnance officer concerned.

Examination by viewer.

171. A memorandum of examination, or history sheet, will accompany each gun, when issued for service. It will be kept in a paper pocket in the gun chest; it will be carefully preserved, and will be handed over with the gun to which it relates, whenever the latter is transferred from the charge of one officer to that of another. An immediate record will be made thereon of any accident which may occur to the gun, and the result of each official examination which it may undergo. On every occasion on which the gun is fired, the number of rounds will be inserted.

Memorandum of examination.

172. When practice with armament machine guns is carried out from works on sea fronts, the artillery floating target will be used, and it will be moored by the Royal Artillery boat's crew in the usual manner. For practice on land the artillery 6-ft. fir target will be used.

Targets to be used.

173. Spare parts and tools are issued (in a box) with each gun. The parts issued with the gun should be used until actually unserviceable, when the spare articles should be taken into use, and the unserviceable returned to store, demands being at once put forward to replace them.

Spare parts

174. Materials for cleaning and oiling pompoms and machine guns and their carriages will be supplied in the following proportions:—

Materials for cleaning and oiling.

		For each 1 pr. Q.F. gun, carriage, and limber. — Peace only.	For each Nordenfolt 3-barrel, and Gardner 2-barrel gun and carriage per annum. — Peace only.	For Maxim gun and mounting, per annum. — Peace only.	For each 1-pr. Q.F. gun, carriage, and limber, three months' supply. — War only.	For each machine gun and carriage, three months' supply. — War only.
57 Gen. No. 4652	Flannelette (4 inches wide) ... yds.	15	11	11	4	3
54 Gen. No. 4762	Linen, old ... lbs.	5	3	3	2	$\frac{3}{2}$
	Oil { mineral burn- ing Rangoon† ... pts.	1 } For guns	$\frac{1}{2}$	$\frac{1}{2}$	1	$\frac{3}{2}$
	Mineral jelly ... lbs.	7 } in use	4	6	$1\frac{1}{2}$	$1\frac{1}{2}$
54 Mac. Guns 575	Turpentine, spirits of pts.	4 } use	$2\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{1}{2}$	1
		$1\frac{1}{2}$	1	1	$\frac{1}{2}$	$\frac{3}{2}$
	Wax, bees ... lbs.	$\frac{1}{2}$ } For	$\frac{1}{2}$	$\frac{1}{2}$	—	—
	Paraffin ... "	$\frac{1}{2}$ } guns	$\frac{1}{2}$	$\frac{1}{2}$	—	—
	Chalk, white ... ozs.	4 } in	2	2	—	—
	Oil, Rangoon ... pts.	$1\frac{1}{2}$ } store	$\frac{3}{4}$	$\frac{3}{4}$	—	—

† In cold climates where the temperature is likely to fall below 10° F., "oil, petroleum, Russian, lubricating," should be drawn and used for lubricating the action of the gun, instead of Rangoon oil, the latter being first cleaned off. In the event of "oil, petroleum, Russian, lubricating," not being available, ordinary paraffin may be used.

175. The following will be allowed to each store in which 1-pr. Q.F. or machine guns are kept or dealt with, and will be replaced when necessary:—

Flannel (old blanket is very effective) 1 square yard.
Wick, common* 8 ozs.
Twisted copper wire 1 rod, 42 inches long, of wire 0.1 inch diameter, in a double twist.

176. One "screen, artillery, manœuvre" will be supplied on demand to each regiment of cavalry or battalion of infantry. This screen will be accounted for in the equipment ledger of the unit.

SECTION VII.—AMMUNITION.

A.—SERVICE SMALL-ARM AMMUNITION.

Supply. 177. Service small-arm ball ammunition will be supplied in time of peace at the rates laid down for the various services in Part 2 of the Equipment Regulations, and should always be in possession of the troops, except when returned into store as directed in paragraphs 60 and 64.

Increase on mobilization. On mobilization the quantities will be increased by the addition of those laid down as the regimental reserve for war. The latter quantities will, in the case of Field Army units, be held with their mobilization equipment, and, for other units, will be taken from the reserves held on Army Ordnance Department charge in the

* Army Service Corps supply.

district in which the unit mobilizes, issued to it at the place of mobilization, and taken to the war station. If, however, the war station is in the district in which the unit mobilizes, this issue of ammunition may be arranged for at such station as the General Officer commanding may direct.

The place of storage in peace, and any detailed arrangements for supply to the troops on mobilization, will be laid down in the local mobilization orders and defence schemes. Storage.

All units will be kept informed in peace of these arrangements so far as they themselves are concerned.

178. In cases of emergency the ordinary supply of service ammunition can be increased to such additional quantity as the General Officer Commanding may consider necessary. Extra supply in cases of emergency.

179. All service ammunition that is not in actual use will be kept in the regimental magazines, in charge of the quartermaster. Custody.

180. Extra issues of ammunition remaining unexpended will be returned to the Army Ordnance Department on the termination of the service that necessitated the supply. Return to store of extra supply.

181. Application for service ammunition will be made on Army Form G 815. Indents.

182. The expense voucher by which service ammunition is struck off charge must refer to the circumstances and authority (if any) under which the expenditure took place. Expense vouchers.

183. The cartridges that have been longest in the hands of the troops are to be expended first. Service ammunition issued to men mounting guard, &c., is not to be allowed to remain in the pouches, but is to be used at musketry practice before any unbroken packages are touched. The ammunition from boxes which have been opened will be completely used up before other boxes are opened, and the tin linings are not to be disturbed until the ammunition is actually required for use. Ammunition longest in hand to be expended first.
Opened boxes to be completely used up.

184. Pistol ammunition will be allowed in accordance with the following scale for officers proceeding on active service :— Pistol ammunition for officers.

Branch of the Service to which attached.	Number of rounds per officer.
Cavalry	36
Royal Artillery	24
Royal Engineers (other than Railway Company) ..	36
Railway Company, R.E.	12
Mounted Infantry	36
Infantry	36
Army Service Corps	24
Army Ordnance Corps and other officers not specified above	12

B.—SMALL-ARM AMMUNITION FOR PRACTICE AND EXERCISE.

185. Units may expend annually the following quantities of ammunition for each man exercised during the year through the courses prescribed for recruits and trained soldiers. These proportions of ammunition will, it is considered, be sufficient for all requirements including those for testing rifles, and for funerals :—

Proportions of small-arm ammunition for practice and exercises
38407
Equipt.
2062

Corps.		Rounds.						
		For each trained soldier.	For each trained soldier. Rank and file only.			For each recruit (officer or man).		
			Ball.	Blank.	Cartridges, aiming tube.	Ball.	Blank.	Cartridges, aiming tube.
54								
Gen. No								
9510								
...								
9595								
104								
Gen. No.	Cavalry	300	40	10*	200	20|	50||*	
2822	Artillery { Garrison, including local companies of Royal Artillery	20	20	25	20	20	...	
A.O. 262	Artillery { Horse and field	50	10	...	100	20	...	
02	Engineers armed with { rifle	100	40	10*	150	20|	50|*	
54	Engineers armed with { carbine	100	30	10*	150	20|	50|*	
A.O.C.	Infantry	300	40	10*	200	20|	50|*	
220	reservists...	50†	...	...	...	...	...	
54	Army Ordnance Corps	30	...	25	100	20	...	
Misc.	Army Service Corps	30	...	25†	100	20	...	
21	Royal Army Medical Corps	...	...	...	40	20	...	
	Mounted Infantry	20§	40§	...	...	...	...	
	Military Mounted Police, Egypt...	90	...	...	...	...	...	

* Aiming tube cartridges may, at the discretion of commanding officers, be exchanged for ball ammunition of equivalent value, and ball ammunition may be exchanged for aiming tube of equal money value to an extent not exceeding 25 rounds per man annually, on authority of G.O.C.

† This allowance is to be drawn by men stationed at head quarter stations of companies, and in Egypt and Gibraltar; at other stations blank or ball ammunition of an equivalent value according to the Priced Vocabulary of Stores, may be drawn.

‡ In addition to the quantities drawn by men in their own battalions.

§ Should a reservist fail to reach the standard prescribed in Army Orders, a further 50 rounds may be drawn for purposes of repetition.

|| This may be drawn at depôts if G.O.C. considers it necessary.

Quantities
to be drawn
in first year
of service.

186. Every soldier in the first year of his service may fire the proportions of ball, blank, and aiming tube ammunition allowed for a recruit, together with those allowed for the trained soldier. If a recruit of infantry or cavalry is put back for further training, the number of rounds already expended by him will not be deducted from the allowance, but will be allowed in addition thereto.

187. Ball ammunition may be drawn annually at the following rates for officers (other than "recruit" officers) of units specified below :—

Squadron officers of Cavalry	110	} rounds per officer.
Royal Horse and Royal Field Artillery	50	
Dismounted officers of—		
Royal Garrison Artillery	20	
Royal Engineers	90	
Infantry	150	
Army Service Corps	30	
Army Ordnance Department	30	

187A. In addition to the quantities laid down in paragraphs 185 and 187, an allowance, not exceeding 35 rounds of ball ammunition per annum, may be drawn for each squadron or company officer, and trained soldier of cavalry and infantry, who performs the "marksmen's practices" prescribed by the Musketry Regulations.

188. (a) The following addition will be made to the above-mentioned proportions of ball ammunition :—

Additional
allowance.

For field inspections, to be drawn only on the order of the general officer commanding a station or district—

Cavalry regiment	....	....	1,000 rounds
Infantry battalion	....	....	4,000 „

57
Colchester
5380

(b). For commanding officer's verification, when necessary, of the accuracy of marking in the annual musketry course (*see Musketry Regulations*)—not exceeding 250 rounds per squadron, battery, company, or similar unit.

(c). For use at district rifle meetings:—

3 rounds ball, .303-inch, per officer and man (Regulars and Militia) on the effective strength of districts at home on 1st June each year and at stations abroad on 1st January each year.

104
Malta
118
104
Gen. No.
2822
8
Equipt.
23

This allowance will be drawn by and expended under the orders of the officer in charge of Musketry duties or other officer deputed by the general officer commanding to undertake the administration of the rifle meeting for the district. It will not be drawn by units.

189. The following additions will be made to the above-mentioned in the proportions of blank ammunition:—

For training remounts:—

Royal Horse and Royal Field Artillery—10 rounds per remount, to be drawn by batteries when required.

Royal Engineers—400 rounds to be drawn by the field depôt.

Army Service Corps—1,780 rounds to be drawn by station staff as follows:—Aldershot, 540 rounds; Manchester, 480 rounds; Woolwich, 480 rounds; Curragh, 140 rounds; Dublin, 140 rounds.

190. The annual allowance of ammunition for use with pistols will be as follows:—

Allowance of pistol ammunition.

Corps.	For each officer, warrant officer, non-commissioned officer, and man armed with a pistol in time of war.			54 Cavalry 599 104 Gen. No. 2822 54 Artillery. 1044 ... 2206
	Pistol.			
	Ball.		Blank every year.	
	First year.	Subsequent years.		
Cavalry	100	75	20	
Royal Artillery (Horse, Field and Heavy) *	100	100	10	
Royal Garrison Artillery	100	50	10	
Royal Engineers				
Infantry				
Army Service Corps	100	50	—	
Military Mounted Police				

* Officers only.

191. Commanding officers are authorised, subject to the approval of the General Officer Commanding, to draw, on repayment, for each officer, to use with his own pistol, 36-rounds of pistol ammunition annually, should the state of the store admit of such issues being

Additional supplies of pistol ammunition on repayment.

made. Under similar circumstances a further quantity may be obtained for the use of non-commissioned officers or men, not exceeding for infantry battalions 72 rounds, for cavalry regiments 36 rounds per pistol on charge. The value of these supplies issued on repayment will be recovered as directed in paragraph 30.

192. The General Officer Commanding is authorised to sanction the issue on repayment of ammunition for matches, not exceeding 130 rounds for each competitor per annum; the issue of pistol ammunition being limited to those who, on service, would be armed with the revolver. The value of the ammunition will be recovered in the manner prescribed by paragraph 30.

193. Units joining the Army Rifle Association may obtain 303 ammunition on repayment at half vocabulary rates provided that the quantity so purchased by any one unit does not exceed 7 rounds per annum per rifle or carbine on charge. Infantry depôts joining the Army Rifle Association may, however, draw up to 1,000 rounds per annum at half vocabulary rates, on account of each line battalion that belongs to the regimental district.

194. Aiming tube cartridges, required for private practice, may be drawn from the Army Ordnance Department on repayment, by quarterly indents.

195. Non-commissioned officers and men to whom rifles or carbines are not issued as part of their equipment, when required to go through a course of musketry practice will do so with the arms of the unit to which they are attached.

196. Indents for practice and exercise ammunition will be made on Army Form G 815, and should be sent to the chief ordnance officer in sufficient time to admit of the issue being made for the annual musketry practice laid down in the Musketry Regulations. The quantities to be demanded in each year will be based on the number of men in or attached to a unit who it is anticipated will commence the annual musketry courses laid down in the Musketry Regulations.

197. The indent will be made, although at the time the unit may be under orders to leave the district, *see* paragraph 198.

198. In the event of no issue of ammunition having been made prior to the unit leaving the station, the chief ordnance officer will, on the application of the commanding officer, return the indent with a certificate thereon that no supply has been made upon it; he will also add a memorandum stating the quantity, if any, of service and other ammunition given into store (*see* paragraph 64). When the indent has been in part complied with, the ordnance officer will furnish the commanding officer with a balance certificate on Army Form G 802 showing the amount remaining due to the corps.

199. Any of the annual supply of ammunition which has not been drawn by the end of the musketry year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account for the following year. The musketry year at home stations will commence on 1st January; at stations abroad these dates will be varied as required. Permanent dates to meet climatic conditions must, however, be fixed for each command, and notified to War Office.

Ammunition for matches on repayment.

Reduced price.

57

Mauritius

4206

54

Gen. No.

9421

Aiming-tube cartridges.

N.C.O. and men not having rifles or carbines.

Indents to be made annually.

When unit is under orders to move.

Station from which to be drawn.

Balance certificate.

Ammunition forfeited.

54

29

78

104

Malta.

126

C.—1-Pr. Q.-F. AND MACHINE GUN AMMUNITION.

200. The annual proportions of ammunition for practice and exercises will be as follows :—

		Cartridges, Q.-F., 1 Pr.		Cartridges, machine gun.	
		Filled and fuzed.	Blank.	Ball, for practice.	Blank.
(1) For each unit of cavalry, mounted infantry, and infantry having pomps or ma- chine guns ac- tually in pos- session, not form- ing part of the armament of a station.	Cavalry and mounted infantry	300	300†	1,100	1,000
	For each mounted in- fantry course of 3 months	300	300†	...	...
	Infantry	...	...	1,700	1,000
(2) <i>At Stations Abroad.</i> —For each gun on infantry field carriage forming part of the approved armament, but actually in possession of an infantry unit		...	...	1,700†	1,000†
(3) <i>For all Stations (Home and Abroad).</i> —For each gun actually in possession forming part of the approved armament, and for which practice ammunition has not been drawn under paragraph 2		...	...	366*§	50*

V
Gen. No.
4343
75
3
637

* To be expended under the orders of the general officer commanding in training the troops at the station.

† In addition to the allowance granted per battalion for use with guns on regimental equipment ledger charge.

‡ To be increased up to 500 when working with other arms, field operations, etc.

§ One complete box per three guns, to be taken from the ammunition of oldest date in charge as equipment of the guns.

D.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

201. The proportion of gun ammunition for practice and exercise of the Royal Artillery, and instructions relating thereto, will be found in Part 2, Artillery Special Instructions and Details.

E.—BLANK AMMUNITION FOR REVIEWS AND FIELD DAYS.

202. The undermentioned quantities of blank ammunition may be supplied annually on the authority of General Officers Commanding, for use at reviews, field days, and manœuvres, to units present on the 1st June in each year at the stations specified below.

When units arrive at a station after the 1st June, the General Officer Commanding at the new station will only sanction the issue of such quantity of ammunition within the annual allowance laid down for that station, as he may deem sufficient for the remainder of the year.

The issues may be made independently of the annual allowance of small-arm ammunition drawn under paragraph 185, and gun ammunition under Artillery Special Instructions and Details, Part 2.

Additional
blank
ammunition
allowed for
reviews and
field days
at special
stations.

		Blank Small Arm Ammunition. Rounds per man.	Blank Gun Ammunition. Rounds per field gun.
<i>Home.</i>			
54	Aldershot	100	100
Gen. No.	Chatham	30	50
8605	Colchester	40	60
	Cork	30	...
	Curragh	100	125
	Devonport and Plymouth	40	60
	Dover	40	60
	Dublin	30	60
	Fermoy	30	...
57	London... ..	20	...
Salisbury	Home District	...	60
118	Portsmouth	40	50
57	Salisbury Plain... ..	100	100
Shorncliffe	Shorncliffe	100	125
	Strensall	40	60
1643	Windsor	20*	...
	Woolwich	20	80
<i>Abroad.</i>			
	Bermuda	30	...
	Esquimalt	30	...
	Ceylon	30	...
	Egypt	30	50
	Gibraltar	20	...
	Hong Kong	30	...
	Jamaica	30	...
	Malta	20	...
57	Mauritius	30	...
Cape	South Africa	40	80
1617	Straits Settlements	30	...

* Battalion of Guards only.

Hong Kong
571

Blank am-
munition for
movable
armaments.
57

Malta
3230

Form for
indents.
For inspec-
tions, re-
views, or
field days to
be taken
from annual
allowance.
54

72
67

Notice prior
to forward-
ing ammu-
nition.

Responsi-
bility as to
loading and
condition of
wagons.

The above proportions of small-arm ammunition will be calculated on the number of men at each station on the 1st June in each year.

203. An allowance of blank ammunition, not exceeding 20 rounds per piece annually, will also be allowed for all guns and howitzers in the movable armament for reviews, field days, &c.

204. Commanding officers will indent on Army Form G 804 for the ammunition to be supplied under paragraph 202, and it will be issued as required to each corps.

205. Except as provided for by paragraphs 202 and 203, ammunition expended at inspections, reviews, or field days must be taken from that included in the annual allowance for practice and exercise.

No additional ammunition will be expended out of the grant for training or manœuvres, except such as is specially authorised, in kind, from the War Office.

F.—CONVEYANCE OF AMMUNITION.

206. Neither gunpowder nor ammunition of any kind will be forwarded by, or to, any unit or ordnance depôt until the officer forwarding the same is satisfied that the consignee is ready to receive it.

207. Whenever ammunition is conveyed in military wagons or carts, the loading will be performed by the troops, who will be held responsible for its correctness, as well as for the condition and suitability of the transport.

208. When military transport is required by the Army Ordnance Department, the ordnance officer will apply for it to the officer commanding Army Service Corps, stating the nature and weight of the ammunition to be conveyed, and specifying, when transit by rail is necessary, the particular hour by which such ammunition must be delivered at the railway station. The officer commanding Army Service Corps will then notify to the ordnance officer at what hour the wagons will call at the ordnance depot for such ammunition.

Application for military transport.

209. The consignee will arrange in like manner with the officer commanding Army Service Corps at the station for the transport of the ammunition (after its arrival at the railway station) to its destination.

Transport of ammunition from railway.

210. When horses only are required from the troops the application will state the number of wagons to go, the weight of ammunition to be conveyed, and the time the convoy should reach its destination. The officer commanding Army Service Corps will then send such horses as he may consider necessary, informing the ordnance officer when he may expect them at the depot.

When horses only are applied for.

211. An officer or subordinate of the Army Ordnance Department will be in attendance at the depot, at the time appointed, to hand over the packages, convoy notes, and any wadmiltits or other coverings that may be required, to the officer commanding the party, unless a conductor of the Army Ordnance Corps is appointed to accompany the convoy. When a conductor is employed, he will be responsible for the ammunition, wadmiltits, or other coverings, and will retain the convoy notes. Convoy notes will be dealt with as laid down in paragraph 72.

Charge of packages, &c.

Conductors with convoys.

212. A receipt will be given by the officer in command of the party for any coverings supplied to him, and he will return them into store when no longer required.

Receipt for covering.

213. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the commanding officer for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted.

Escorts, application for by consignor.

214. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination.

And by consignee.

215. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have matches in their possession.

Smoking and matches prohibited.

216. When ammunition is consigned to the troops, the officer who is the consignee will give to the conductor a receipt on the duplicate convoy note, and will be furnished by the conductor with the triplicate copy, which he will retain.

Military consignees.

217. Should it be necessary to hire wagons for the conveyance of ammunition when consigned to the troops, the arrangements will be made by the Army Service Corps, on the application of the commanding officer.

Hired transport for conveyance to troops.

218. In the conveyance of small quantities of small-arm ammunition by rail in the United Kingdom, to expedite issues to corps,

Iron cylinders.

and also to obviate the expense of the employment of powder vans, iron cylinders adapted for containing half and quarter barrels will be used. These cylinders will not, however, be required when the cartridges are packed in small-arm ammunition boxes.

To be re-
turned at
once by
same mode
of convey-
ance.

219. Commanding officers and others will, immediately on receiving these cylinders, empty and return them, with the spanners and bags supplied with them, to the ordnance officer at the station from which they were sent, using the same mode of conveyance as that by which they arrived.

SECTION VIII. — HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

Saddlery for
officers.

54

Gen. No.

9351

220. A set of saddlery will be supplied free for the use of all officers provided with public horses under the Allowance Regulations. Lamb skins or leopard skins will also be supplied, but without any edgings or facings, it being left to the officers to make regimental arrangements for fitting the same. The following allowances will be drawn for this service from the Station Paymaster :—

2s. 3d. for an officer of a mounted unit (the work being done by the regimental saddler).

3s. 6d. for an officer of a dismounted unit.

Payments will be charged against Vote VIII, Equipment Stores, Harness and Saddlery.

54
Gen. No.

9731

Saddle of
special sizes.

220A. All saddlery supplied free from store will remain public property, and be held on equipment ledger charge of the unit to which the officer belongs. It will not be transferred with officers from one unit to another, except in cases where it has been found necessary to supply special sizes of saddles for officers of exceptional physique. In such cases the special saddlery should always accompany the officers on transfer, the usual receipt and issue vouchers being passed between the units concerned.

Horse logs.

221. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the Army Ordnance Department, by officers commanding mounted units and returned to store on arrival at their destination.

54
Arty.
207

Packing for
service
abroad.

222. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation, for this purpose three "brushes, sash, tool, No. 2" and three pounds of black paint per hundred sacks may be demanded.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner :—Detach numnah and stirrup irons. Fold numnah in four, and place it in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete inside saddle together with, in the case of R.A. and A.S. Corps saddlery, traces. Place saddle blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

223. Stable necessities, including nose bags, corn sacks, and corn bags, will be supplied on demand for all mounted services, for horses which are public property, in the proportions laid down in the several sections of Equipment Regulations, Part 2. For hired horses, when employed on the public service, there may be issued 1 horse brush, 1 curry comb, and 2 sponges for every two horses, and 1 horse-rubber and 1 nose bag for each horse.

224. The stable necessities which are supplied annually need not, when unserviceable and replaced by fresh issues, be returned to store.

225. In the event of stable necessities becoming unserviceable before the expiration of the period of duration prescribed for them they must be replaced at the expense of the troops.

226. Saddle pannels are, as a rule, issued stuffed, but should it be advisable at any time to issue empty cases, they will be converted into pannels by the regimental artificers without charge, and the following proportions of materials will be supplied for stuffing each pair :—

Harness, luggage, hair, horse, saddlery	...	...	lbs. ozs. 2 0	38407
				Equipment
				2101

227. The following proportions of hair and flock, in addition to the ordinary annual proportions given in Appendix XIV will be issued with each pair of stuffed pannels, if demanded :—

With each pair of new pannels, luggage	...	$\frac{1}{2}$ lb. of horse hair.	38407
With each pair of pannels, officers, universal	}	$\frac{1}{2}$ lb. of flock.	Equipment
and yeomanry pattern			2101

228. One quarter of an ounce of quilting twine will be allowed for each pair of cases. No issues under one ounce will be made; the regimental supply will be made use of when smaller quantities are required.

229. Equitation articles will be supplied to the mounted services in the proportions shown in the several sections of Equipment Regulations, Part 2, and will be accounted for in the same manner as other equipment.

SECTION IX.—HORSESHOES.

FOR MOUNTED SERVICES AT HOME AND ABROAD EXCEPTING INDIA.

230. Shoes and nails in assorted sizes, as detailed below, will be issued by chief ordnance officers on the indents of commanding officers.

(EQ. R.)

D

Proportions of the various sizes of Horseshoes issued for Cavalry and Mounted Infantry Cold Shoeing.

Description.				No. per cent.	No. of nails.	Total of nails per set of 4 shoes
Shoes, horse, pairs	No. 2	{ fore... hind }		5	No. 6	30
	" 3	{ fore... hind }		21	" 6	30
	" 4	{ fore... hind }		35	" 7	30
	" 5	{ fore... hind }		28	" 8	30
	" 6	{ fore... hind }		9	" 8	36
	" 7	{ fore... hind }		1	" 9	36
	" 8	{ fore... hind }		1	" 9	36
	" 2	{ fore... hind }		20	" 6	30
	" 3	{ fore... hind }		70	" 6	30
	" 4	{ fore... hind }		10	" 7	30
						For Cavalry.
						For Mounted Infantry.

Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing.

Description.		No. per cent.	No. of nail.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	No. 3 { fore } { hind }	5	No. 6	30
	" 4 { fore } { hind }	20	" 7	30
	" 5 { fore } { hind, without calkins	28	{ " 8 }	30
		25		
	" " { " with calkins †	3	{ " *9 or 8 heel holes	36
	" 6 { fore } { hind, without calkins	29	{ " 10 toe "	
		25	{ " 8 }	
	" " { " with calkins †	4	{ " *9 or 8 heel holes	
			{ " 11 toe "	

For Royal Artillery.

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes and 9 for heel holes.

Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing—continued.

Description.		No. per cent.	No. of nail.	Total of nails per set of 4 shoes.
Shoes, horse pairs	No. 7	fore	12	No. 9
		hind, without calkins	9	
	" 8	" with calkins †	3	" 9 heel holes ...
		fore	6	
	" 5	hind, without calkins	4	" 11 toe " ...
		" with calkins †	2	
	" 6	fore	21	" 9 heel holes ...
		hind, without calkins	18	
	" 7	" with calkins †	3	" 11 toe " ...
		fore	33	
	" 8	hind, without calkins	15	" 8
		" with calkins †	18	
	" 9	fore	31	" *9 or 8 heel holes
		hind, without calkins	11	
	" 10	" with calkins †	20	" 10 toe "
		fore	15	
	" 11	hind, without calkins	6	" 8
		" with calkins †	9	

For Royal Artillery.

For Royal Engineers.

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes and 9 for heel holes.

Officers commanding units of Army Service Corps will demand For A. S. horseshoes of sizes as required. Corps.

231. A spare set of shoes, in addition to those on the horses' Spare set of shoes. feet, with a proper complement of nails ready fitted for immediate use, and stamped with the army and squadron, battery, company, or in the case of Royal Engineers, unit, number, will at all times be in possession of each unit for every public horse. 50 per cent. of these shoes and nails in the case of cavalry, Royal Artillery, Royal Engineers, and Army Service Corps, should be hand made, and the remaining 50 per cent. of shoes and nails machine made. These spare shoes and nails are to be used every quarter, and replaced by new ones.

232. In making indents, commanding officers of units of Quantities to be demanded. cavalry, Royal Artillery, Royal Engineers, and Army Service Corps will demand shoes for one-half of the number of horses present, but not more at one time than the equivalent of three sets of shoes, with nails, per horse, this number of sets being presumably sufficient for three months. No greater proportion of shoes will be allowed without a certificate from the veterinary officer, countersigned by the commanding officer, explaining the exceptional circumstances which have rendered additional supplies necessary.

(EQ. R.)

D 2

Old shoes to be utilised.

233. Shoes, for one-half of the number of horses on the establishment, will be made in the forges of the various units, referred to in the preceding paragraph, out of the worn shoes removed from the horses, and any iron that may be required in addition will be supplied by the Army Ordnance Department, on indent from the veterinary officer, countersigned by the commanding officer.

Nail-rod when supplied.

234. Nail-rod, for making nails, will be supplied from the Army Ordnance Department on indent from commanding officers as follows :—

Rod, Nail, $\frac{3}{8}$ -inch.

		Per regiment, per month.
For regiments of cavalry at home	....	75 lbs.
For regiments of cavalry in the colonies	....	67 „

In batteries of artillery, units of Royal Engineers and Army Service Corps, 1 lb. per month for every four horses or fraction of four.

Arrange-
ments as
shoes and
nails when
changing
station.

235. When units march from one station to another, one fore shoe (with nails) will be carried on each horse, and in the case of horses with brittle feet one hind shoe (with nails) in addition. Commanding officers will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance dépôt at the station, hand them over to the incoming unit; in either case obtaining a receipt. The shoes removed from the horses' feet on the march will be returned to store, should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through an Army Ordnance Department station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store, or handed over may be drawn; one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken, the balance being returned to store or handed over to the incoming unit if there is no ordnance dépôt at the station, and others drawn in lieu as directed above.

Should the station to which a unit is moved have no ordnance dépôt, special arrangements for the supply of shoes and nails from the nearest ordnance dépôt will have to be made.

Shoeing
officers'
horses.

236. One set of horseshoes and nails per month may be issued at the public expense for each officer's chargers, the property of the public, but any further replacements must be provided by the officer concerned. These issues may not be made for chargers hired under the allowance regulations.

Officers' horses, private property, may be shod, if desired, with store shoes, such shoes and nails to be paid for at the rate of one

shilling and tenpence per set. The farriers will render a monthly return of the number of officers' horses thus shod, in order that the necessary credit may be given for the value of the shoes and nails in the pay list. All other shoeing must be done by private arrangement, and with private materials.

237. Forge and shoeing tools (except the barrack fixtures provided by the Royal Engineers) will be drawn from the Army Ordnance Department and held on equipment ledger charge. Forge and shoeing tools.

"Chest, tool, filled, No. 7," the detailed contents of which are given in Appendix V, contains one set of forge and one set of shoeing tools. The proportions in which the chests will be supplied are as follows :—

	Peace.	War.	
Regiment of cavalry	6	2	8
Bridging companies, R.E....	2	2	Equipment
Telegraph section, R.E.	1	1	9
Field troop, R.E.	1	2	
„ company, R.E.	1	2	
„ park, R.E.	1	2	
Company of Army Service Corps	1	1	

Additional sets of shoeing tools will be supplied to make the total number on charge equal to, in the case of :—

Regiments of cavalry—

1 per farrier serjeant, corporal shoeing smith and shoeing smith in peace and war. Also 1 spare set per squadron for instructional purposes in time of peace only—this set to include two aprons, basil, white.

Batteries of Royal Horse Artillery and Royal Field Artillery—

1 per farrier serjeant and shoeing smith in peace and war. In time of peace, 1 spare set of tools will be allowed per battery, and 1 "apron, basil, white," for each man undergoing instruction.

Royal Engineers—

Bridging companies	...	...	5 sets each	} in war.
Field troops and field parks	...	...	4 „	
Field companies ..	...	...	3 „	
Telegraph sections	...	...	2 „	
Balloon companies	...	...	1 „	

Army Service Corps—

Service company	...	...	4 sets	} in peace.
Dépôt company...	...	...	6 „	

Company with	{ corps troops	...	7	} in war.
	{ field bakery	...	8	
	{ infantry brigade	...	9	
	{ „ divisional troops....	...	5	
	{ cavalry brigade	...	6	

The Royal Engineer units specified above will have on charge in peace 1 spare set of tools for instructional purposes, &c. Each set to consist of :—

Buffers, farriers	....	....	....	....	....	2
Hammers, farriers	{ shoeing	....	....	....	....	2
	{ sledge	....	....	....	....	1
Knives, farriers	{ drawing	....	....	....	....	2
	{ searching	....	....	....	....	1

Worn out rasps may be retained for steeling horse shoes.

Nails may be obtained separately.

Sizes of nails.

238. For the convenience of farriers, shoes or nails can be obtained separately in sizes ; but, unless specifically demanded, nails will be issued with shoes in the proportions shown in the following table. Each box of shoes of one size will be packed with the due proportion of nails appropriate to that size of shoe.

Table of Nails for Horse, Mule, and Pony Shoes.

Description of Shoes.		Nails required for the several Shoes.		Remarks.
		Designation Number.	No. per set of shoes.	
Horse Shoes.				
No. 1	{ fore	{ 3 or 4*	30	
	{ hind	{		
" 2	{ fore	{ 6	30	
	{ hind	{		
" 3	{ fore	{ 6	30	
	{ hind	{		
" 4	{ fore	{ 7	30	
	{ hind	{		
" 5	{ fore	{ 8	36	
	{ hind { without calkins	{ 9 or 8 heel holes*		
	{ with " †	{ 10 toe "		
" 6	{ fore	{ 8	36	
	{ hind { without calkins	{ 9 or 8 heel holes*		
	{ with " †	{ 11 toe "		
" 7	{ fore	{ 9	36	
	{ hind { without calkins	{ 9 heel holes		
	{ with " †	{ 11 toe "		
" 8	{ fore	{ 9	40	
	{ hind { without calkins	{ 9 heel holes		
	{ with " †	{ 11 toe "		
" 9	{ fore	{ 12‡	40	
	{ hind { without calkins	{ 10‡ heel holes		
	{ with " †	{ 13‡ toe holes		
" 10	{ fore	{ 12‡	40	
	{ hind { without calkins	{ 12‡ heel holes		
	{ with " †	{ 13‡ toe holes		

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes, and 9 for heel holes.

‡ Capewell or "Star."

Table of Nails for Horse, Mule, and Pony Shoes—continued.

Description of Shoes.		Nails required for the several Shoes.		Remarks.
		Designation Number.	No. per set of shoes.	
<i>Mule Shoes.</i>				
No. 11	} (also for donkeys)	...	...	} 30
" 12		...	...	
" 13		...	...	
" 14		...	...	
" 15		...	...	
" 16	...	...	...	} 40
<i>Pony Shoes.</i>				
" 21	{ fore	...	...	} 30
		hind	...	

* According to brand of nail used.

Infantry Regimental Transport.

239. Horseshoes will be issued on demand, in sizes as required, at the rate of one set per month, for each animal borne on the establishment of regimental transport in battalions of infantry together with the proportion of nails specified in the preceding table. All the worn-out shoes will be returned to the Army Ordnance Department.

Shoes, horse, for infantry Regimental Transport.

Military Mounted Police.

240. The military mounted police will draw machine made shoes for the whole of the horses on their establishment, in such quantities as may be required, all worn-out shoes being returned to Army Ordnance Department for disposal. At stations other than Aldershot no forge or shoeing tools will be specially issued, and horses will be shod by the farrier serjeant of the corps to which the horses are attached. At Aldershot, one, "Chest, tool, filled, No. 7," may be drawn for the farrier quartermaster serjeant attached to the staff.

Shoes, horse, for military mounted police.

The proportions of the various sizes of horseshoes to be drawn as follows:—

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	{ No. 5 { fore } { hind }	50	No. 8	30
	{ " 6 { fore } { hind }	50	" 8	36

Mounted Infantry.

241. Mounted infantry, when employed as such, will draw the full complement of machine-made shoes, viz., 1 set per month per horse. All worn-out shoes will be returned to the Army Ordnance Department.

Shoes, horse, for mounted infantry.

Frost Nails.

Frost nails. 242. On the 1st September in each year indents will be put forward by officers commanding mounted units at home (Jersey and Guernsey excepted) for frost nails in the following proportions :—

	No. of nails per horse.
Cavalry	40
Royal Artillery (horse and field batteries)	40
Royal Engineers	40
Infantry (regimental transport)	60
Army Service Corps	120
Military mounted police	120

The nails remaining on hand on the 31st March following will be returned to store.

SECTION X.—CAMP EQUIPMENT.

**Proportions
allowed.**

243. The proportions of camp equipment for mounted and dismounted services, on manœuvres and in standing camps, and scale of tents for active service, are contained in Appendix VI. The scale for standing camps will guide issues to troops placed under canvas for the season, or for lengthened periods, or when camps are formed for accommodation of troops at gun or rifle practice. When barracks have to be temporarily vacated, tents and other articles may be drawn by officers commanding, as far as may be necessary, on the scale for standing camps.

**For tem-
porary use
not taken
on ledger
charge.**

244. Camp equipment and such other stores issued in connection therewith as may be received for temporary use, for manœuvres or other encampment purposes, and for like services, will not be brought on charge in the equipment ledgers, but will be accounted for on Army Form G 973 to the chief ordnance officer of the depôt from which the issues were made. Ammunition will not be accounted for on this form.

**Charges
for
deficiencies.**

245. Charges for deficient camp equipment will be assessed in accordance with the instructions contained in paragraph 98, except that a reduction from full vocabulary rates will only be made upon the certificate of the ordnance officer who made the issue, that the rates charged are the fair or real proportionate value of the articles deficient.

**Supply of
tents and
barrack
stores.**

246. Tents only (and bed boards and trestles if necessary) will be supplied by the Army Ordnance Department to supplement barrack accommodation. All other barrack stores will be supplied by the Army Service Corps.

**Increase in
proportions.**

247. When the General Officer Commanding finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 5.

**Reduction of
proportions.**

248. In all issues for camps of manœuvre or flying columns at home, the General Officer Commanding may, if he thinks fit, reduce the proportions in view of the requirements of the particular service, and the strength of the troops and companies, and so diminish the weights to be transported.

249. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on Army Form G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in paragraph 90 will be followed.

Deficiencies
of camp
equipment.

Tent pins.

250. Officers who are entitled to camp equipment, but who are not accountants and are not attached to a corps, will make their indents in duplicate on Army Form G 968. The depôt of supply will be inserted by the ordnance officer, who will retain one copy of the indent and return the duplicate, which, when signed by the person receiving the stores, will be given as an issue voucher to the ordnance officer at the supply depôt, and that officer will give the officer responsible for the stores a receipt voucher, by which to take them on local charge on Army Form G 973. The officer drawing the stores will be held responsible for their due return to the Army Ordnance Department; and when the stores are returned a receipt voucher on Army Form G 1033 will be sent with them, upon which will be given particulars as to the date of the original supply and by whom made.

Method
drawing
camp equip-
ment by non-
accountants.

251. Wood bottoms for circular tents, for officers and men, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the principal medical officer. They will not be supplied for store, office, or workshop tents.

Wood bot-
toms for cir-
cular tents.

57

Gen. No.

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255. The General Officer Commanding, in authorising the supply of wood bottoms, will proceed as directed in paragraphs 5 and 7.

256. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers' horses, and for such hired horses as may be employed on the public service. For hired horses there will also be supplied blankets, surcingles and pads when required.

Picketing
gear, etc.,
for Officers'
horses and
hired horses.

257. Such barrack stores as are necessary for troops when in a standing camp will be specially applied for to the Army Ordnance Department by commanding officers, and will be accounted for as directed in paragraph 244.

Barrack
stores in
standing
camp.

258. Mounted units proceeding by route march in the United Kingdom, require no camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, officers commanding units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manœuvres," but demanding only such articles as are absolutely necessary.

Mounted
units pro-
ceeding by
route march.

259. To prevent the injury caused by damp and mildew, all tents, blankets, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

All articles
to be
thoroughly
dried before
being given
into store.

Camp kettles to be cleaned. 260. Camp kettles and other articles liable to injury from rust, will also be dried and cleaned by the troops before return to store.

Troops under canvas moving. 261. When troops under canvas have to march on immediate orders, the chief ordnance officer will confer with the officer commanding the troops as to the steps which should be taken for the drying and cleaning of the camp equipment, prior to its being returned into store on the breaking up of the camp.

Officer commanding to be informed of irregularities. 262. The chief ordnance officer will bring to the notice of the officer commanding the troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

Tents for instruction in pitching and striking. 263. Four used circular tents may be supplied to each regiment of cavalry, battalion of infantry, and each regimental district requiring them, for the purpose of instruction in pitching and striking. Batteries of horse and field artillery, and units of Royal Engineers are allowed two tents; companies of garrison artillery and companies of the Army Service Corps, and Army Ordnance Corps, one tent each. Headquarters of companies of Royal Army Medical Corps will be supplied with one circular tent, and one marquee each. Unserviceable articles will be utilized. These tents will be brought on charge in the equipment ledgers, and will be dealt with as equipment.

Supply of camp kettles, &c., for instruction. 264. To carry out the instructions in "field training," referred to in the "Infantry Training," ten "kettles, camp, oval, twelve quarts," and four "buckets, canvas," may, when required, be drawn from the Army Ordnance Department by each battalion for the use of the company struck off duty. For cavalry, ten "kettles, camp, oval, twelve quarts"; six "axes, pick, 4½ lbs.," and six "shovels G.S." may be issued for each regiment. For the Royal Army Medical Corps each headquarters of companies will be supplied with three "kettles, camp, oval, twelve quarts"; three "axes, pick 4½ lbs."; one "hook, bill"; one bundle of brushwood pickets; one pair cacolets; one pack saddle complete; and four "shovels G.S." They will be brought to account in the equipment ledger in the usual manner. On change of station these stores, together with those specified in paragraph 263, will be handed over to the incoming unit.

For brigades of field artillery 9 camp kettles, 6 picks and 6 shovels will be drawn and accounted for as the officer commanding the brigade may direct. When batteries are stationed singly a proportionate quantity of these stores only will be drawn and accounted for as directed for other units.

265. The articles detailed below will be issued in addition to the tents and tools authorised to be supplied for instructional purposes by paragraphs 263 and 264.

Cordage	white, 3-strand, ¾-in., 4 ft. long	....	pieces	20
	tarred, 1½-in., 20 ft. long	....	"	20
Spars, wood, 12 ft.	....	....	....	6

These articles will be issued on the terms stated in paragraphs 263 and 264.

266. The articles detailed below, sufficient for one squadron, will be issued, if required, to each regiment of cavalry for instructional purposes, in addition to the tents allowed by paragraph 263:—

Picketing gear for cavalry.

Description of Stores.	Number or Quantity.
<i>Woolwich Section No. 2.</i>	
Mallets, heel peg and small picket	13
Pads, surcingle	136
Pegs, picketing, with rope loop	170
Ropes { head, hemp, with ring	136
{ heel	34
{ picketing, 4 ft. 9 ins.	136
<i>Woolwich Section No. 5.</i>	
Bags, corn, 8 lb.	136

SECTION XI.—ARTIFICERS' AND WORKSHOP TOOLS.

A.—ARTIFICERS' TOOLS.

267. The officer commanding Army Ordnance Corps will arrange to supply armourers' boxes, with tools (as detailed in Appendix IV.), as follows:—

(a.) One to each qualified armourer-serjeant, at the beginning of his period of service.

(b.) One to armourers that are transferred from India to home stations.

268. In the case of a unit having an armourer attached, leaving India for a colonial station and not proceeding home direct, the officer commanding the unit will make such arrangements as will ensure an armourer's box, with tools, being forthcoming for his armourer on arrival at the new station. It will be necessary in such cases that commanding officers should put forward demands on the chief ordnance officer of the new district or station as soon as it becomes known definitely where their regiments or battalions are to proceed, in order to allow sufficient time wherein to obtain the armourers' box and tools before the arrival of the unit.

269. Armourers' boxes, with tools, supplied free to armourers will, in all cases, be issued in a condition of thorough serviceability. They will be subsequently maintained in that condition at the personal expense of the armourers to whom issued and will remain in their possession until the armourers become non-effective or proceed to India. The boxes will be examined half-yearly by the adjutant or assistant adjutant in the case of regimental armourer-serjeants, and the commanding officer will certify in the equipment account that the service has been performed, and whether deficient or unserviceable

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Equipment
2034
Armourers' tools, supply of.

54
A.O.C.
290

tools have been replaced. In the case of circuit armourers this examination should be carried out by chief ordnance officers of ordnance depôts supplying the areas in which they are stationed.

Armourer sergeants, on proceeding to India, will hand their box, with tools, into the store of the unit or department to which they are attached, and any damages or deficiencies will be charged against the armourer sergeant. The box, with tools, accompanied by a statement of the items charged for, will then be returned by the corps or department to the Officer Commanding, Army Ordnance Corps, Red Barracks, Woolwich, as in the case of arms and accoutrements (paragraph 135).

Upon receipt, the officer commanding, Army Ordnance Corps, should demand any items required to complete the boxes to fit them for re-issue.

When armourer sergeants become non-effective from any cause, the action defined above will be carried out.

270. To enable repairs to be carried out to Government bicycles, when necessary, the tools detailed in Appendix IV. for this purpose will be supplied for the use of armourers who fulfil the conditions laid down in paragraph 404 as regards bicycles, but the cost of replacement when required will be at the public expense.

271. Viewers when examining arms will examine tools of armourers attached to units, and report to the chief inspector of small arms, who will inform the officer commanding of any required replacements.

272. Instructions for packing armourers' tools and spare parts of small arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, British North America, or Bermuda.

273. Tools supplied for the use of regimental artificers in repairing the service equipments or armaments, or for the general service of the army, are not to be employed for private purposes. Lists of tools for repair of the service equipments or armaments are given in the several sections of Equipment Regulations, Part 2, for Cavalry, Royal Artillery, and Royal Engineers, and of tools for general service in Appendix V.

274. A set of pioneers' tools and appointments is issued for each service squadron of cavalry, including Household Cavalry. These tools are described in Equipment Regulations, Part 2, Section II (Cavalry).

B.—TOOLS FOR MILITARY WORKSHOPS.

275. To encourage the employment of soldiers in trades, sets of tools will be supplied to regiments of cavalry, battalions of infantry, and principal stations of Royal Artillery at the public expense, under the special sanction of the general officer commanding in each case, and subject to the following conditions:—

- a. That there are qualified tradesmen to use them.
- b. That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the general officer commanding; and on the understanding

that the unit so returning them will be charged with the difference between their original cost and their actual value at the time of their receipt into store.

- c. That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.
- d. That articles required to replace any of those issued be demanded of the Army Ordnance Department, in order to ensure uniformity of pattern.

Lists of these tools will be found in Appendix V.

276. Commanding officers will direct an inspection of the tools to be made quarterly ; and will certify in the ledgers in which they are brought on charge, that this service has been performed.

Inspection
of tools.

277. When tools are issued to the Royal Artillery, under paragraph 275, they will be accounted for by the officer commanding the dépôt company ; or, where no dépôt company exists, by the officer commanding a service company to be detailed by the officer commanding Royal Artillery in the district, in accordance with Part 2, Section XII.

Accounting
for tools
issued to
R.A.

278. Tools for trades will not be allowed to regimental districts.

Not allowed
to Regi-
mental
Districts.

SECTION XII.—SIGNALLING AND RANGE-FINDING EQUIPMENT.

A.—SIGNALLING EQUIPMENT.

279. Signalling equipment will be demanded on Army Form G 997.

Stores,
indents
for.
Supplies.

280. Supplies will be made in accordance with the several sections of Equipment Regulations, Part 2. Issues will not be made to regimental districts. A complete set of signalling equipment will be held on station charge at Jamaica and at St. Lucia, for use in case of necessity.

281. The stores to be drawn for use at the School of Signalling, Aldershot, are detailed in Part 2, Section VI B.

B.—MEKOMETERS AND TELEMETERS.

282. Mekometers and telemeters will be supplied as shown in the several sections of Equipment Regulations, Part 2. Instructions will be found in Appendix XV.

Instructions.

SECTION XIII.—PHOTOGRAPHS AND TEXT BOOKS.

283. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Ordnance College, for instructional purposes.

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4498

284. Text books, hand books, and range tables will be issued as laid down in Part 2, Artillery Special Instructions and Details.

Text books
and range
tables.

SECTION XIV.—MISCELLANEOUS STORES.

Pace sticks,
and other
articles.

285. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the Allowance for Miscellaneous Stores, granted by the Allowance Regulations.

Clippers,
horse.

286. Machines, or hand clippers, for clipping horses, will be provided regimentally (except by infantry battalions), and an allowance of sixpence per horse clipped may be charged once a year in the regimental pay lists. The charge will be supported by a certificate of the commanding officer, showing the number of horses clipped. In South Africa, however, "Clippers, horse," will be allowed in the proportion of one pair for every six horses, with an additional pair for every fifty horses, and the money allowance will not be drawn.

57

Cape
1591

Chests,
clothing or
school
materials.
Boxes,
school-
master's.
A.C.D.
India
1652

287. "Chests, clothing or school materials" will be issued to the troops in the proportions laid down in Appendix XVII. They may be renewed after 15 years, if unserviceable.

288. One "box, schoolmaster's" will be issued to every schoolmaster on appointment. The box may be renewed after 12 years if unserviceable. It will be accounted for by the officer under whom the schoolmaster is serving.

Stationery
for field
sketching
&c.

289. The colours, brushes, papers, pencils, cardboard, string, india-rubber, and other articles of stationery required for instruction of cavalry and infantry in field sketching and reconnaissance will be supplied, on receipt of indents from units, on Army Form L 1380.

Blackboard
and easel
for R.A.M.C.

290. A blackboard and easel, complete, for instruction of non-commissioned officers and men of the Royal Army Medical Corps in various technical subjects, will, except to A and B Companies, be issued to the head-quarters of the several companies, and to the undermentioned detachments at home and abroad :—

Home.

Gosport.
Shorncliffe.

Abroad.

Pietermaritzburg,	} South Africa.
Wynberg,	
Cape Town,	
Hong Kong.	
Gibraltar.	
Valetta,	} Malta.
Cottonera,	
Alexandria,	} Egypt.
Cairo,	

Wicks with
lamps and
lanterns.

291. All lamps and lanterns which burn oil, when first issued by Army Ordnance Department will, except those issued for barrack services, be complete with one foot of wick. The wicks for magazine lanterns and signalling lamps will be issued to the troops by the Army Service Corps on the usual indents.

291A. "Humane" Cattle Killers and 100 cartridges for use with each of the same are issuable, in peace, on the scale shown below :—

Humane
cattle killers,
supply of.

Stations.	Number of Killers allowed.	Stations.	Number of Killers allowed.	
aAldershot	6	cHilsea	1	
aAthlone	1	cHounslow	1	
aBallincollig	1	cIpswich	1	
aBandon	1	cKildare	1	
aBelfast	1	cKilkenny	1	
aBelturbet	1	cLeeds	1	
aBirmingham	1	cLimerick	1	
aBradford	1	cLiverpool	1	
aBrighton	1	London, {	cHyde Park	1
aBristol	1		cMillbank	1
aCahir	1		cRegent's Park	1
aCanterbury	1		cSt. John's Wood	1
aChatham	1	cLongford	1	
aChristchurch	1	cManchester	1	
aClogheen	1	cNewbridge	1	
aClonmel	1	cNewcastle-on-Tyne	1	
aColchester	1	cNewport, Mon.	1	
aCork	1	cNorwich	1	
aCoventry	1	cPortsmouth	1	
aCurragh... ..	4	cPreston	1	
aDevonport	1	aSalisbury	4	
aDorchester	1	cSheffield	1	
aDover	1	cShoeburyness	1	
aDublin	4	cShorncliffe	2	
aDundalk... ..	1	cStobs	1	
aEdinburgh	1	cTrowbridge	1	
aExeter	1	cWaterford	1	
aFermoy	1	cWeedon	1	
aFethard . . .	1	cWindsor	1	
aGlasgow	1	aWoolwich	2	
aHampton Court	1	cYork	1	

The "Killers" and ammunition will be on charge of and accounted for by the following officers :—

At Stations marked :—

- "a" By the Principal Veterinary Officer.
 "b" " Senior Veterinary Officer.
 "c" " Veterinary Officer attached
 for duty.

In the veterinary
accounts for in-
struments and
medicines ren-
dered to the
D.G.A.V.S.

In the event of there not being a Veterinary Officer at any of the stations marked "c," the general officer commanding will appoint an officer who renders an equipment or store account to act as custodian and accountant for the killers and ammunition.

291B. The following articles may be issued on loan to units for the purpose of carrying out the instruction referred to in paragraphs 1733-9 King's Regulations :—

- Caps, knee, musketry instruction—6 per ambulance stretcher.
 Stretchers, ambulance—As required, but not to exceed 4 per unit.

Caps, knee,
and
stretchers for
instruc-
tional
purposes.

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6634

Stores for
veterinary
purposes.

292. Consumable stores for veterinary purposes will, in peace, be issued quarterly, in the proportions given in the following table, on the indent of the veterinary officer in charge of the unit, countersigned by the commanding officer of each unit concerned. The indent will be made on Army Form G 1027. It will state the number of horses for which the stores are required, and will show any articles remaining unexpended at the time. These stores will not be accounted for in the equipment ledgers, but will be a final issue from the Army Ordnance Department, and the issue voucher upon which they are charged will be signed by the veterinary officer only. The proportions of blankets, and of pads and surcingles allowed for sick horses will, when required, form part of the equipment of the unit, and be included in the equipment ledger.

CONSUMABLE STORES FOR VETERINARY PURPOSES.

	Months' Supply.	Per 100 horses.	
		Stations other than South Africa.	South Africa only.
57 Cape 2181	<i>Woolwich Section 5.</i> Sponges, 7 drams <i>Woolwich Section 7.</i> Pins, mixed oz. <i>Woolwich Section 8.</i> Twine, packing, small oz. <i>Woolwich Section 11.</i> Corks, assorted <i>Woolwich Section 27.</i> Bandages, horse Linen, unbleached (for bandages) yds. 9699 Sacking, oat (27 inches wide for poultices) yds. 57 Tape, linen, $\frac{3}{4}$ -inch, white pieces Gen. No. Tow { coarse lbs. 6443 { fine	4* $\frac{1}{4}$ 1 6 3 4 1* 2 2	4* $\frac{1}{2}$ 2 9 9 5 6 2* 3 3
	<i>Woolwich Section 30.</i> Flannel, old (for fomentations) lbs. Numnahs, old (for foot swabs) <i>NOT IN VOCABULARY.</i> Papert { brown, common (for packing) quires { white, fine (for balls) ,	7 $\frac{1}{2}$ 2 $\frac{1}{4}$ $\frac{1}{4}$	11 3 $\frac{1}{4}$ $\frac{1}{4}$

* To be drawn at these rates every six months only.

† Stationery Office supply.

54
Gen. No.
8845
Army Order
213
02

BICYCLES.

293. Cycles for cyclist orderlies will be supplied by the Army Ordnance Department, and held on ledger charge of units, &c., in the following proportions:—

Headquarters of an Army Corps ... not exceeding	3	Proportions allowed.
" a Division or District "	2	
" a Brigade ... "	1	
" a Regiment of Cavalry, Brigade of Artillery, Battalion of Infantry, and such corresponding units of other arms of the service on the recommendation of the General Officer Commanding ...	1	
294. Commanding officers will be held responsible that Government cycles are used only on military duty, and, in the event of their units proceeding on foreign service, that the cycles, accessories, &c., on their charge are returned to the Army Ordnance Department prior to departure. They will also be responsible for the proper care and preservation of service bicycles by soldiers under their command.		Responsibility of commanding officers.
295. Cleaning materials, &c., will be allowed in the proportions laid down in Appendix VIIIb.		Cleaning materials.
Lamp oil and wick will be obtained from the officer in charge of barracks.		Oil and wick.
Materials for repair of punctures will be supplied, and any necessary repairs executed by the Army Ordnance Department.		Repairs.
296. Annual inspections of service bicycles will be arranged for by the Chief Inspector of Small Arms as laid down in the Regulations for Army Ordnance Services.		Inspection. 54 Gen. No. 9254

SOAP.

297. Soap for the personal use of soldiers will be supplied by the Army Ordnance Department, will be demanded by the piece (each bar of soap contains four pieces), and accounted for in the regimental equipment ledger.

In peace or on mobilization one piece will be supplied to every soldier entitled to a free kit of necessities under the Clothing Regulations, and will be kept up afterwards at his expense (in peace) as part of his kit.

For war, a free quarterly allowance of 3 pieces per officer, war-rant officer, non-commissioned officer and man, as well as 24 spare pieces per 100 of all ranks will be required; of this, one piece will be carried in each kit, and mobile units will have remainder carried in the regimental transport, other units holding their reserve as most convenient.

In cases where bodies of troops are operating independently and an army ordnance dépôt is not detailed to accompany them, issues as required should be made in bulk, by the Army Ordnance Department to the Army Service Corps Supply Columns, for distribution to the troops, according to the above scale.

Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

Soap will also be supplied on payment at the published rates: credit will be given in Army Form P 1963 for the total number of pieces issued on payment.

WAGONS.

298. When driving the undermentioned wagons, otherwise (Eq. R.)

Footboards to be fastened up.

than by long rein, or turning them when in store, footboards will be fastened up to prevent the stays being wrenched away.

Ammunition and store, R.A., Mark II.

G.S. { Marks III. and IV.
R.E.

Light, spring, surgery.

SECTION XV.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING.

Proportion
for Military
Districts.

299. Proportions of sets of tools and stores for instruction in military engineering, as detailed in Appendix XI, are laid down for military Stations or Commands, as follows:—The distribution of these stores within their commands will be left to General Officers Commanding.

	Stations or Commands.	Companies, Royal Engineers.	Battalions of Infantry.
57	Northern Command	...	2
Salisbury	Welsh and Midland Command	...	2
333	Eastern Command	3	6
57	Southern Command	2	13
Woolwich	London District	...	1
2472	Aldershot Army Corps	3§	10
54	Scottish Command	...	1
Eng	Jersey	...	1
618	Guernsey	...	1
57	Irish Command	2	11
	Jamaica	...	1½
Aldershot	Bermuda... ..	1§	1§
7101	Malta	1	4
57	Gibraltar... ..	2	2
Belfast	South Africa { Cape... ..	1	1
1414	St. Helena	1	2
57	Mauritius	1	1*
Jamaica	Hong Kong	1	1
4983	Straits Settlement	½	1
57	Ceylon	½	1*
Bermuda	Egypt	1	1¶
5929	Esquimalt	½	...
	Sierra Leone	1*	...

* Special sets are authorised for these stations, see Appendix XI.

§ 3 extra sets of consumable stores will also be allowed for the use of the Royal Engineer Companies at Aldershot, also 1 extra set of consumable stores for the use of the second Fortress Company, R.E., at Bermuda, so long as two Fortress Companies, R.E., are stationed there, and 1 extra set (except explosives) for the use of the second infantry battalion at Bermuda.

¶ A special set in addition is authorised for use at Alexandria.

Horse or
field
artillery
and cavalry.

300. The proportion authorised for a battery of horse or field artillery is given in Appendix XII. The issue will be restricted at Aldershot to one battery. The instruction to be conveyed by these stores embraces the construction of bridges, derricks, jetties, rafts, epaulments, gun pits, &c. The proportion given in Appendix XIII is the supply authorised for a regiment of cavalry.

Demands.

301. Demands to complete the establishment of these tools and stores will be sent, by the 1st August, by the officer of Royal Engineers concerned, to the chief ordnance officer, on Army Form G 989.

When it becomes necessary to procure any of the articles locally, the purchase will be effected through the chief ordnance officer.

302. Staff officers for instruction, battalions of infantry, and cavalry pioneers, will be supplied with the necessary tools and materials for military engineering, and for the repair of rifle butts and ranges, from the stock in charge of the sub-district commanding Royal Engineer concerned. The articles so supplied will be entered on inventories (Army Form G 989). The necessary instruments will also be supplied, on inventory, by the commanding Royal Engineer, from the stock in his charge to staff officers for instruction, except in the case of Chatham, where the supply will be met by the commandant, School of Military Engineering. All articles, thus supplied on inventory, will remain in charge of the sub-district commanding Royal Engineer who makes the supply.

Issues on inventory.

303. If any materials, or tools, that may be specially and immediately required by staff officers for instruction in carrying on their duties, cannot be supplied by the Army Ordnance Department, they may be purchased locally by the ordnance officer, upon the indent of the staff officers for instruction, approved by the commanding Royal Engineer. But such special local purchases will not exceed the value of 5*l.* annually for each instructor.

Local purchase for staff officers for instruction.

304. Stores, for the purpose of effecting communication by means of visual signalling between different posts in fortresses, and military stations, will be issued upon an establishment drawn up for the station concerned; which establishment must have received War Office approval before issues are made. The stores, when issued, will be in charge of sub-district commanding Royal Engineers concerned, and will be held on inventory by the troops using them.

Stores for visual signalling.

305. Application for all necessary transport, required in transferring the tools and materials from one corps to another, will be made by the sub-district commanding Royal Engineer.

Transport of tools, &c.

SECTION XVI.—MARKING EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

306. Stamps are supplied to the various services requiring them, for marking arms, accoutrements, harness, and saddlery. The adoption of an unauthorised method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

Stamps for marking.

307. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible corps marks which would render them unfit for re-issue. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

Permanent marking limited.

308. All arms, accoutrement, harness, and saddlery, issued to, or taken into use by, troops on mobilization will be marked, with as little delay as possible, with corps marks and progressive numbers, in the manner indicated in the regulations for mobilization. They will not be marked with a date of issue.

Marking on mobilization.

Articles temporarily supplied not to be marked. **309.** Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to corps and regimental districts in excess of their regulated strength.

How marked for detachments. **310.** Should additional equipment be issued to detachments (*see* paragraph 96), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03.

Equipment marked by artificers. **311.** As a general rule the service of marking the equipments is performed, free of charge, by the paid regimental artificers, as part of their duty. Money allowances are, however, granted for marking artillery stores connected with armaments; accoutrements and musical instruments in certain cases, and squad bags when first issued. The allowances for marking accoutrements and squad bags cover both labour and the ink or paint required.

Marking baggage. **312.** The paint required for marking baggage (*see* King's Regulations) may be purchased by commanding officers as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, &c.

(*See also Appendix X.*)

Marking and painting handles of tools, &c. **313.** All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they respectively belong.

Marking armaments. **314.** One gun, one carriage, one slide, and one pile of shot or shells in each battery, will be marked with the date of painting; and, in the event of its being necessary to exchange any guns, or other stores connected therewith, in permanent works, before the next periodical painting takes place, those received will be marked with the date when last painted, so that the record may be accurately kept. The marking will be of the simplest kind, as, for example, "12/03," signifying that the painting was performed in December, 1903.

Example. **315.** Three halfpence per hour will be allowed for this service, except when such marking is performed by means of stencil plates, in which case no allowance will be sanctioned.

Allowance for marking. **316.** The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, as also on all carriages forming the equipment of units, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS.

Marks before issue. **317.** All arms, except those for mobilization (*see* paragraph 308) bayonets and scabbards and sword bayonets and scabbards are issued to the troops marked with the month and last two figures of the year of issue, thus, 1.00, 3.01, &c. Full instructions as to all other marking will be found in the Regulations for Army Ordnance Services.

Care should be taken that the marks on the arms are not too deeply stamped.

318. In cases where the services of an armourer serjeant are not available for marking the arms, commanding officers, in making indents on the Army Ordnance Department, will state the particulars of the corps marks and numbers that should be placed upon the articles. When an armourer serjeant is not available.

319. Stamps for marking swords and sword-scabbards, will be lent to dismounted services by the Army Ordnance Department. Stamps lent by A.O.D.

320. Arms issued to replace others will be given the numbers of the articles replaced. Issues to replace others.

D.—MARKING ACCOUTREMENTS.

321. All accoutrements, except those for mobilization (*see* paragraph 308) and enamelled iron water bottles, will be marked by the Army Ordnance Department before issue with the month and last two figures of the year of issue, beneath the W.D. and broad arrow of the War Department, thus, 2.00, 3.01, &c. When received by the troops, they will be further marked, before being taken into use, to correspond with the arms. Accoutrements that have been in use, and are re-issued, will be marked by the Army Ordnance Department before re-issue—black equipment, with the letter W. and the month and year of re-issue; buff equipment, with the month and year of re-issue only in red ink. Nature and position of marks.

322. Part-worn articles returned to store will be marked by the ordnance officer at the station with the month and year of return. Part-worn articles.

323. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks. Such accoutrements, when returned to store, will be available for re-issue to any service as part-worn articles, and will be then further marked as directed in paragraph 321. "Extra service" accoutrements.

324. Accoutrements will be marked as follows :—

	<i>Mounted units with—</i>	<i>Dismounted units with—</i>	
Buff accoutrements, haversacks, and mess-tin covers	$\frac{1}{2}$ -inch copper inlaid stamps and marking ink	$\frac{1}{4}$ -inch brass or gun-metal stamps on wood ($\frac{3}{16}$ -inch being used for terminal letters in Infantry units), and marking ink.	54 Gen. No. 9856A
	<i>Mounted and dismounted units—</i>		
Brown or black accoutrements	$\frac{1}{4}$ -inch steel stamps. Care being taken that the leather is not cut, but merely indented.		
Enamelled iron water bottles. (Covers only to be marked.)	$\frac{1}{2}$ -inch copper inlaid stamps and "Ink, marking, woollens." In centre of that portion of cover exposed to view when bottle is worn. (Bottles should be worn with buff strip or chain securing cork towards rear.)		
Mess-tins	$\frac{1}{4}$ -inch steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through		

Branding accoutrements is strictly prohibited.

Bandoliers,
marking of.

54

A.O.C.

267

328. Bandoliers supplied for the use of regimental staff, including armourer-sergeants, will be marked with the corps abbreviation and a staff number, thus :—1/R.S.— $\frac{S.}{20}$, and will not be transferable between corps.

Marking
whistles.

329. The whistles of infantry will be marked on one side of the acorn with the territorial letters or regimental district number, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of Royal Engineers will be marked in the same manner as their arms. For the purpose of marking, the steel stamps for metal, in possession of armourer serjeants for marking small arms, will be employed.

Stamps for
mounted
services.

330. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

Allowances
for marking.

331. The undermentioned allowances are granted for marking accoutrements of dismounted units under the conditions stated :—

<i>a.</i>	For every 300 intrenching implements and cases for shoeing tools	....	....	....	....	<i>s.</i>	<i>d.</i>
						0	9
<i>b.</i>	For every 300 of the articles of valise equipment detailed below, in the case of corps receiving a new equipment, viz., waist belts, braces, pouches, straps, haversacks, mess-tins and mess-tin covers, carriages drum, frogs sword and sword-bayonet, loops dirk, slings (rifle and carbine) and bandoliers	....	....	....	....	0	9
<i>c.</i>	For the felt coverings of every eight enamelled iron water-bottles (<i>see</i> paragraph 325), inclusive of cost of ink	....	....	....	....	0	2
<i>d.</i>	Annually for the purchase of marking ink required for use with the metal stamps. (<i>See</i> paragraph 324.)						
	Battalion	....	....	....	....	2	0
	Regimental depôt	....	....	....	....		
	Depôt of Royal Army Medical Corps	....	....	....	....	1	0
	Dismounted depôt company of Army Service Corps	....	....	....	....		
	Company of Garrison Artillery	....	....	....	....	0	9
	District Establishment Artillery	....	....	....	....		
	Unit of Royal Engineers (except mounted units)	....	....	....	....	0	6
	Company of Army Ordnance Corps	....	....	....	....		

Allowances
for marking
ink.To be
charged in
pay list.

332. These allowances will be charged in the company pay lists, and will be vouched in each case by a certificate showing the number and description of articles marked, the date of their issue, and from what ordnance depôt they have been issued.

E.—MARKING MUSICAL INSTRUMENTS.

Allowances
for engraving
the
marks.

333. Musical instruments will be marked in consecutive numbers, from one upwards in the manner approved for marking arms.

This service will be performed in the following manner :—

- (1) Bugles, drums and trumpets will be marked by armourer sergeants with the stamps in possession of units for marking metal articles.

54
Mil. Art.
76

When the services of an armourer sergeant are not available with the unit, the marking of these articles will be performed by the Army Ordnance Department prior to issue. In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

- (2) Piccolos and flutes will invariably be engraved locally, $\frac{1}{2}$ d. per letter or figure being admitted as a charge against public funds.

334. The silent drum for practice will be marked on the cloth, on the under side, with the same stamps as are used for accoutrements.

Practice
drum
stamped.

F.—MARKING HARNESS AND SADDLERY.

335. All new articles of harness and saddlery, except those issued for mobilization purposes (see paragraph 308), of $\frac{3}{4}$ -in. or more in width, will be marked by the Army Ordnance Department, before issue to the troops, with the month and last two figures of the year of issue, beneath the W.D. and the broad arrow, thus—2.00, 3.01, &c. Articles that have been in use will, when first re-issued for a further period of wear, be again marked by the Army Ordnance Department, with the month and year of issue as above, and with the letter W. showing that they have been in wear before. The date being stamped close under the part worn mark.

Marking by
Army
Ordnance
Department.

336. Harness and saddlery when received by the troops for peace use, will be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

Order of
marking.

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

Artillery and
cavalry.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers being placed on saddlery vertically under the corps marks; and on harness in the same line with, and following, corps, or sub-sectional marks, as in the specimens given below.

Other units.

In every case the head and neck collars will be marked with the number of the horse instead of that of the set.

Head and
neck collar.

Royal Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery
A	A Sub-section.
4	No. 4 set of saddlery.

I	I Battery.
R.H.A.	Royal Horse Artillery.
B. 3	B Sub-section. No. 3 single set of harness.

Royal Field Artillery.

- | | | |
|-----|------------------|--|
| 37 | R.F.A.
O. 1 | 37th Battery, Royal Field Artillery.
Officers' No. 1 set of saddlery. |
| 37. | R.F.A.
B
1 | 37th Battery, Royal Field Artillery.
B Sub-section.
No. 1 set of saddlery. |
| 37. | R.F.A.
B. 3. | 37th Battery, Royal Field Artillery
B Sub-section. No. 3 single set of harness. |

Cavalry.

- | | |
|---------|--|
| 1. L.G. | 1st Life Guards. |
| A | A Squadron. |
| 2 | No. 2 set of saddlery. |
| 5. L. | 5th Lancers. |
| B. 1. | B Squadron. No. 1 single set of harness. |

Royal Engineers.

- | | | |
|-----------------|------------------------|----------------------------------|
| 1. T.Co.—R.E.—4 | 1st Telegraph Company. | No. 4 set of harness. |
| 1. T.Co.—R.E. | 1st Telegraph Company. | No. 4 set of universal saddlery. |
| <u>4</u> | | |
| 1. T.Co.—R.E. | 1st Telegraph Company. | No. 2 set of officers' saddlery. |
| <u>O. 2</u> | | |

Army Service Corps.

- | | | | |
|-----------|------|------------------------------------|-------|
| 10—A.S.C. | 4 | No. 10 company Army Service Corps. | No. 4 |
| | | single set of harness. | |
| 10—A.S.C. | | No. 10 company Army Service Corps. | No. 4 |
| <hr/> | | set of universal saddlery. | |
| | 4 | | |
| 10—A.S.C. | | No. 10 company Army Service Corps. | No. 4 |
| <hr/> | | set of officers' saddlery. | |
| | Q. 4 | | |

On transfer. **337.** If, on a transfer of harness or saddlery, any of the sets transferred be found to bear numbers already on the harness or saddlery on charge, the articles will be renumbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

338. The harness and saddlery of each set of regimental transport will be marked before issue, by the Army Ordnance Department according to the principles laid down in paragraph 336.

Gen. No.

5909
Stamping
leather.

Stamping
iron work.

**Marking
sheepskins,
&c.**

339. The leather work will be marked with $\frac{3}{16}$ -in. steel stamps, immediately under the army ordnance department mark of month and year of issue.

340. The iron work will be marked with $\frac{1}{8}$ -in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

341. Sheepskins, nosebags, corn-sacks, and corn-bags will be marked with marking ink; saddle-blankets and horse-blankets

(veterinary stores) with the "mixture, stamping woollens." "Stamps, copper, inlaid, $\frac{1}{2}$ -inch," will be used, and the marking will be placed immediately under the War Department store mark.

G.—MARKING SQUAD BAGS.

342. Each squad bag will be marked on the outside of the upper flap with the initial letter of the company or squadron, the number or appellation of the battalion or regiment, and the month and year in which the squad bag was first issued from the quartermaster's stores. Marking exemplified.

The following will exemplify the mode of marking :—

B. 4/D. Gs.	D. 2/Gd. Gds.	A. 1/Manch.
1/1900.	1/1900.	1/1900.

343. The squad bags will be marked with black paint. The figures and capital letters will be $1\frac{1}{2}$ ins. in length. Paint, size of letters, &c.

344. The sum of fourpence for each squad bag so marked on first issue will be allowed ; the amount will be charged in the accounts of the unit, vouched by the usual receipt of the person who executed the work, and certified by the officer commanding. Allowance for marking.

H.—MARKING REGIMENTAL DEPOT EQUIPMENT.

345. In regimental depôts the arms, accoutrements, except those stored for reservists, musical instruments, and all articles enumerated as forming part of the equipment of a soldier, will be marked with the number of the regimental district to which they belong, followed by the letters R.D. The rifle depôts having no numbers, the equipment remaining on charge at such depôts will receive the territorial letter with the D following. Marking of equipment of regimental depôts.

SECTION XVII.—REPAIR AND PRESERVATION OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

346. Commanding officers will not allow, or pay for the performance of, any work connected with equipments, or armaments, for which there is no regulated provision, without previous authority obtained, at home from the War Office, and at stations abroad from the General, or other Officer Commanding. Unauthorised work prohibited.

347. Except when otherwise specified in these regulations, the repair, and painting, of all stores that can be performed by the regimental artificers will be executed by them, under the superintendence of their commanding officers, free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. Tables showing the time, working pay (when specially sanctioned), and materials, allowed for painting miscellaneous carts and wagons are given in Appendix VII. General repairs executed without charge by regimental artificers.

348. When any of the materials, detailed in Appendix VII, are required, the officer commanding in whose charge the equipment is, will certify to the repairs being necessary, and will annex such cer- O.C. to certify as to necessity for repairs.

tificate to the demand for the materials made by him on the chief ordnance officer. The commanding officer will subsequently satisfy himself that the repairs or painting have been properly executed.

Employment
of regimental
artificers
for other
unit.

349. The services of the regimental artificers will, when the duties of their own unit permit, and at the discretion of the General Officer Commanding, be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with artificers, or requiring the assistance of additional artificers in exceptional circumstances.

Repairs by
the Army
Ordnance
Department.

350. Repairs which cannot be executed by the regimental artificers will be performed under the direction of the Army Ordnance Department, by the artificers attached to that department, or else in accordance with the directions given in paragraph 352

Repairs
exclusive of
small arms.

351. When repairs to stores, including armament and artillery material other than those mentioned in paragraph 351A (but exclusive of small arms) cannot be carried out locally, the chief ordnance officer should apply to the Assistant Director of Ordnance Stores, Woolwich Arsenal, stating what repairs are necessary, what procedure is recommended to effect the repairs, whether repairs are urgent, and date when completion is desirable.

In the event of undue delay in the return of equipment that has been sent to Woolwich for repair a special report should be made by general officers commanding, to the War Office, on the subject.

57

Bermuda

6003

351A. Whenever any service in connection with the mountings, machinery, engines or gear used exclusively by the Royal Artillery and Army Ordnance Department is beyond the resources of the corps or department named, application should be made to the Royal Engineers for assistance.

Working
pay and
payments to
contractors.

352. Whenever repairs, painting, or other services, involving the expenditure of working pay, or payments to contractors, are required in connection with the equipments of a unit, an indent will be made by the commanding officer on the chief ordnance officer, stating the nature of the work required, and the cost at which it could be carried out by military tradesmen receiving the authorised rates of working pay, or by local contract.

How autho-
rised.

353. The officer making the indent will then be informed of the manner in which the service should be performed; and if it be decided to employ military tradesmen, he will, on the completion of the service, certify on the original indent that the work has been efficiently carried out. The indent so certified will then be attached to the working pay list as a voucher in support of payment.

Indent
certified.

Materials for
repair may
not be sold,
or impro-
perly
appropriated.

354. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by commanding officers be sanctioned by General Officers Commanding, except in special cases which should be reported for covering approval.

Regulation
of expendi-
ture and
method of
accounting
for materials
for repairs,
&c.

355. In order to regulate the expenditure of the materials Army Books, 281 and 282 or 283, will be carefully kept by the units concerned, the ledger (Army Book 283) being balanced on the 31st March. The books will be periodically examined by the local chief ordnance officer, or by officers deputed by him to

act on his behalf, not with a view of a detailed audit being made, but with a view of determining whether the regulations have been properly carried out. Stock will be taken every six months by an officer deputed by the commanding officer, and compared with the quantity received and the amount expended. The result will be reported to the commanding officer, who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible, and recovered on Army Form P 1963.

The regimental storekeeper will examine Army Book 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

356. Materials supplied for repairing equipment will not, except under special authority, be used for the manufacture of new articles.

357. In making indents for materials for repairing equipment, commanding officers will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorised proportion.

360. Materials will be supplied annually for the repair and browning of government bicycles as laid down in Appendix VIII.

54
Gen. No.
9466
Books
283
7

Materials are not to be used for manufacture. Materials in hand to be credited in indents.

Repair of bicycles.
38407
Equipt.
2034

B.—ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY.

1. Arms.

361. All the implements, stores, and chemical ingredients, for browning interchangeable arms, including any pistols on charge, as well as the materials for the repair of the same, are supplied at the public expense to units provided with armourer-serjeants. Oil and material for the preservation and cleaning of arms are supplied to all corps in possession of arms. Details of the stores supplied for repairing, browning, and preserving arms, including any pistols on charge, and bicycles, are printed in Appendix VIII. Instructions for the care and preservation of bicycles, and instructions for the care, repair, browning, &c., of arms and bayonet scabbards, and a list of parts and materials to be carefully packed when regiments proceed on service abroad, are printed in the Instructions for Armourers, and will be supplied to all concerned.

362. The stripping or removal of any part of the arm, except by the armourer-serjeant, or a serjeant instructor who has been through a course of instruction at the Royal Small Arms Factory, Birmingham, is strictly forbidden. Should a commanding officer doubt whether arms of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion; and his report will be forwarded to the War Office. If considered advisable, an examination of the arms in question by the Chief Inspector of Small Arms will then be authorized. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy, authorised by the Musketry Regulations.

Repair of interchangeable arms.

Browning arms.

38407

Equipt.

2087

Care and repair of arms, &c.

Stripping and testing arms.

104
Gen. No.
2912

Indents
for, and issue
of, materials.

363. When materials are required for the repair of arms, officers commanding squadrons or companies will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The commanding officer will subsequently satisfy himself that the repairs have been executed.

Reports of
inspection.

364. Armourer-serjeants will furnish officers commanding companies or detachments (liable to detached duties) with a detailed report of each inspection, upon Army Form G 1048.

Gen. No.
9709

365. The arms of regimental depôts and 5 per cent. of those stored for reservists will be examined annually by the localised armourer-serjeant referred to in paragraph 368. The armourer-serjeants will execute such repairs as are necessary, and re-brown such arms as may require it. Barrels of carbines or rifles, barrels of pistols and "cylinders assembled" damaged beyond the power of the localised armourer-serjeant to repair, will be dealt with as directed in paragraph 374. This arrangement does not relieve commanding officers from responsibility as to the care and repair of the arms, and arrangements will be made by them for such general supervision of the work of the armourer-serjeants as will ensure its being properly carried out.

Annual
examination
and repair of
arms in regi-
mental dis-
tricts.
Command-
ing officers
not relieved
of respon-
sibility.

Interme-
diate and
slight
repairs.

366. The non-commissioned officers of the permanent staff of Militia battalions who have been through a course of instruction at the Royal Small-Arms Factory at Birmingham, will be available for the replacement of broken main-springs or strikers, and for the execution of such slight repairs as the arms are likely to require between the annual visits of the armourer serjeants. Should any arms require a more extensive repair than either the non-commissioned officer of the permanent staff or localised armourer serjeant in the district is able to execute, the officer commanding the regimental district will communicate with the chief ordnance officer, who will give instructions for the arms to be sent to the local ordnance depôt for replacement.

Extensive
repairs.

367. The arms of a corps or detachment in the United Kingdom unprovided with an armourer serjeant will be dealt with, as far as practicable, in a similar manner to those of depôt companies; and components required, when not exceeding the proportions allowed by Appendix VIII, will be issued. If in excess of the proportion the matter will be dealt with under paragraph 373.

Corps with
no armourer
serjeant.

54
Gen. No.
9181

368. Circuit armourer-serjeants are posted to the following commands. They will be under the immediate orders of the chief ordnance officer of the depôt supplying the area in which they are stationed, excepting those attached to the Royal Artillery, and will belong to the establishment of the Army Ordnance Department in the command :—

38407
Equipment
2101

Circuit
armourer-
serjeants,
posting of.

Channel Isles.
Northern.
Southern.

Eastern.
Scottish.
Welsh and Midland.

Duties of
circuit
armourers.

369. The armourer-serjeants will examine annually the arms of the Militia as laid down in the Equipment Regulations, Part 2, Section XVI (Militia), and circuits will be arranged for them in each command ensuring their visits to all stations where arms for Militia, Reservists, and Depôts are held. In the Southern com-

mand all arms of Volunteers and Imperial Yeomanry will be dealt with at the regulated periods.

370. The armourer-serjeants will forward a report showing the result of their inspections, on Army Form C 366, to the chief ordnance officer, for the information of the General Officer commanding. A copy of this report will be forwarded to the officer commanding the unit concerned.

Reports of inspections by circuit armourers.

371. Officers commanding regimental depôts will make application to the chief ordnance officer for the services of the armourer-serjeant whenever the condition of the arms in their charge renders this necessary.

Services to be applied for.

372. The components required for the repair of arms of regimental districts will be demanded by the officer commanding, in accordance with the scale laid down in Appendix VIII (the arms held for reservists will not be considered). For supply to militia units *see* Equipment Regulations, Part 2, Section XVI.

Components for repair.

373. When a unit requires components in excess of the authorised allowance, the officer commanding will furnish an explanation of the cause. The matter will be dealt with by the General Officer Commanding, under paragraph 5 ; and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the components are required in connection with a viewer's inspection, the Chief Inspector of Small Arms will enumerate the excess components on his Inspection Report to the General Officer Commanding, and will also state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

Additional supply.

54

Gen. No.
9181

374. Barrels of carbines or rifles damaged beyond local repair will be exchanged for new barrels with bodies, which will be fitted to the arms by the regimental armourer-serjeant ; the barrels with bodies, as replaced, being returned to the local ordnance depôt. The foregoing applies also to pistol barrels and "cylinders assembled." All other arms damaged beyond local repair will be returned to Army Ordnance Department, and new ones demanded to replace.

Exchange of arms damaged beyond local repair.

375. The arms in possession of units or detachments abroad will be examined quarterly by an armourer-serjeant. Should the unit or detachment not be provided with an armourer-serjeant, and the arms require repair or re-browning, the General Officer Commanding will, on indent from the commanding officer to the chief ordnance officer, detail a regimental armourer-serjeant to perform the work, or will order it to be undertaken by the Army Ordnance Department, as may seem to him advisable. The unit providing the armourer-serjeant, or the Army Ordnance Department, as the case may be, will also provide the necessary materials which, in the case of a regimental armourer-serjeant, will be obtained from ordnance depôt.

Repairs abroad.

376. On the return of arms into store any repairs found necessary, which ought to have been performed by the armourer-serjeant, will be charged against the troops.

Liability of corps provided with armourer-serjeant. Injury to barrels.

377. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition. (See para. 374.)

Tampering with arms.

378. All tampering with arms is strictly prohibited. Any damages to arms so caused will be charged against the troops.

Annual inspection.

379. Annual inspections of all arms in possession of the regular forces in Great Britain and Ireland except those of the Royal Army Medical Corps, Army Ordnance Corps, Army Pay Corps, Gymnastic Staff, and the Royal Military College Staff, which will be examined triennially, will be made by the Chief Inspector of Small Arms at such times as may be most convenient to the public service. The cost of any repairs found necessary from any cause other than fair wear or tear will be charged against the troops.

Certificate that repairs have been carried out.

After every inspection of arms by the Chief Inspector of Small Arms, a copy of the viewer's rolls, showing the repairs, &c., necessary to put the arms in a serviceable condition, will be forwarded to the officer commanding, who will subsequently forward a certificate to the Chief Inspector of Small Arms, through the chief ordnance officer of his district to the effect that the repairs, &c., shown thereon have been carried out. In the case of the Irish Militia this certificate will be furnished by the ordnance officer in charge of the arms.

Injured barrels to be specially marked.

380. Stars in front of "Knox form" of barrels of rifles and carbines, and on the left hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other portions of barrels denote that a trace of exterior erosion exists in the region of the star. A star on the pommel of sword bayonets, pattern 1888, denotes that the pommel is cut or otherwise blemished. No charge will be made against the troops at subsequent inspection for such cuts or rust. These stars are placed on the arms at Ordnance Factories at home or Ordnance Depôts abroad.

Assistance in browning.

381. To enable the armourer-serjeant to perform the service of browning the arms, he will be granted from the unit the assistance provided for under the Royal Warrant for Pay, &c.

Browning bayonets.

382. When new rifles have been issued to units, and the bayonets in use with the arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the sword bayonets and bayonet sockets in the following proportions:—

Labour	$\frac{1}{8}$	} Of the regular authorised amounts for biennial browning.
Fuel	$\frac{1}{6}$	
Browning material ...	$\frac{1}{8}$	

No charge for browning.

383. No charge will be made against the troops for browning their arms, when the browning is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

2. Accountrements.

Repairs of leather work of accountrements.

384. The leather work of accountrements of unmounted units, as shown in paragraph 385, will be repaired by the shoemaker of the unit, or such other person as may be directed by the commanding officer.

385. For this service the undermentioned sums will be allowed Amount annually to each commanding officer, for every 10, or less number, of sets of accoutrements in use :—

	s.	d.
Company of Infantry	1	2
Unit of Royal Engineers (except mounted units)	1	0
Company of Garrison, and Local Companies, Royal Artillery, and Bermuda Militia Artillery	}	0 10
District Establishment, Royal Artillery		
Dismounted Depôt Company of Army Service Corps		
Company or Detachment of Royal Army Medical Corps		
Depôt of Royal Army Medical Corps		
Company of Army Ordnance Corps		

In addition to the above, depôt companies of Royal Garrison Artillery will be allowed $\frac{1}{2}d.$ per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

386. The allowance for the repair of accoutrements will be claimed To be claimed annually. in advance, for the whole financial year, in the month of April, upon Army Form P 1900, and will be charged in the battery or company pay list.

387. Waxed thread and tools will be provided out of this Thread and tools. allowance, the articles allowed for repair of accoutrements being supplied by the Army Ordnance Department.

388. The repair of the metal work will be part of the ordinary Metal work. duty of the armourer-serjeant, or smith, where one is available.

389. The use of oxalic acid or other injurious materials for Injurious materials forbidden. cleaning black or buff accoutrements, is strictly forbidden. Such parts of black accoutrements (leather valises excepted) as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used in such cases.

390. When brown leather accoutrements require to be cleansed Cleansing and preservation of brown accoutrements. from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade. Two bars of soap per company will be found ample.

To preserve and polish brown leather accoutrements, a dubbing composed of :—

- 10 ozs. of clean mutton tallow,
- 6 ozs. of pure beeswax,
- 3 drams of camphor,

melted and mixed over a slow fire, should be used. These ingredients will make one pound of the composition, which should be rubbed on to the grain, or smooth side of the accoutrements, with a piece of coarse cloth, using as much friction as possible to enable the fatty substance to penetrate. A portion of the wax will then remain on the surface, and dry rubbing will always bring on a polish. An application of this composition once a month will, in ordinary circumstances, be found sufficient, and an allowance of 2 ozs. per man per month will be found ample ; but whenever it is

necessary to clean the accoutrements with soap and water, an application of the composition should always be made before the leather is quite dry. When accoutrements get stained with mildew or perspiration, or otherwise, a slight application of limejuice will be found to remove the stains.

Supply of materials chargeable to the public.

391. Spare parts and furniture for accoutrements required to replace others expended or worn out, the cost of which is chargeable to the public, will be supplied in the authorised proportions, as specified in the several sections of Equipment Regulations, Part 2.

To troops.

392. Materials required to replace others lost or damaged by neglect, will be charged against the troops.

No ripping to pieces until new parts received.

393. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the artificers of units, free of charge. Commanding officers will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

In cases of large indents.

394. In cases, however, where the indents for accoutrements to replace unserviceable articles are very large, and where commanding officers consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 393 may be demanded in a complete state.

Fitting V.E. pattern '88.

395. In order to fit the pattern 1888 valise equipment to small men, the braces should be shortened by having $1\frac{1}{2}$ inches taken off the centre (body) and 1 inch off the back of same, the broad part being slightly narrowed in one brace to give greater ease at the junction of arm and shoulder. Braces so altered will be marked with the letter "S" to obviate their being confused with other braces which have not been so altered.

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9565

The sum of 2½d. per pair (including cost of rivets) will be allowed as a charge against public funds for the local alteration of the braces of valise equipment.

Altering haversacks allowance for.

396. The following amounts will be allowed for the alteration of haversacks, old pattern :

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Altering haversacks, Horse and Field Artillery	... each	¾d.
Shortening bands of haversacks without sliding buckle, when necessary to make them fit		2d.
Lengthening bands of haversacks when required, material provided by the public	... ..	1½d.

The new pattern G.S. Haversack does not require any alteration.

3. Musical Instruments.

Flutes and piccolos.

397. Instructions for the care and preservation of flutes and piccolos are printed in Appendix III.

4. Harness and Saddlery.

Materials for repairs.

398. The authorised proportions of materials, as detailed in Appendix XIV, and for Household Cavalry in Equipment Regu-

lations, Part 2, Section II, which are supplied for repair of harness and saddlery, are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials would not be required; and commanding officers in making indents will demand only what is actually requisite. Needles, for the repair of harness and saddlery, may be drawn annually, at the rate of one sewing needle to five sets of saddlery or single harness, and one harness needle to four sets of saddlery or single harness. Needles.

399. Repairs to saddle blankets carried out by regimental saddlers and collarmakers should be done with "worsted grey" and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped. Repair of saddle blankets.

The stitching in all cases should be so executed that the rent or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching; but when material is used, it should, as far as possible, match the blanket.

400. All cuttings from the undermentioned materials supplied to the mounted services for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned into store, as convenient opportunity offers:— Disposal of cuttings.

Cuttings from	{	canvas.	|	Flaps, saddle, pairs.	
		cloth.		{	doe.
		leather.			horse.
		numnahs.			Junk, old.
		serge.			Seats, saddle.
		sheepskins.			

Metal-work,	{	brass bosses,	{	bits.
		copper rivets, saddles, universal.		cruppers and breastplates.
		iron (from saddles generally).		

401. Detailed instructions for the care and preservation of the leather of harness and saddlery are printed in Appendix IX. Preservation.

SECTION XVIII.—DURATION OF EQUIPMENT.

GENERAL INSTRUCTIONS.

Object of
assigning
periods of
duration.

402. Periods of duration have been assigned to the articles enumerated in the following tables, with the object of informing commanding officers and ordnance officers of the length of time equipment should remain serviceable under ordinary circumstances of continuous use. Should it appear that articles are becoming unserviceable before they have been in use the prescribed periods, inquiry should be made into the cause thereof; since, in the absence of sufficient reason to explain the circumstance, the troops become liable to be charged in accordance with paragraphs 97 and 98 of these Regulations. The periods of duration are not intended in any way to govern the times for exchanging the stores, which must continue to be used until actually unserviceable.

Duration on
active
service and
at stations
abroad.

403. On active service and at stations abroad the periods of duration are liable to vary according to the nature of the service and the climate, but the prescribed periods will be kept in view, and adhered to as far as practicable.

ARMS.

TABLE I.	Duration, in years.	Remarks.
Rifles and carbines	12	
Bayonets	12	
Scabbards { leather { sword	8	
steel, sword, staff-serjts'	12	
„ cavalry	10	
Bottles, oil, Mark III	8	
Lances	12	
„ flags	2	
Pistols, Webley	12	
Protectors, front sight	8	
Pull-throughs { weights	8	
	1	
„ cords	8	
Reflectors, mirror	8	
Dirks	12	
Swords	12	
Implements, action	12	
Actions, skeleton { M.L.M.	12	
	12	
Tools, removing striker, M.L.M.	12	
Tubes, aiming { M.H.	10	
	5	
	5	

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ACCOUTREMENTS.

TABLE 2.		Duration, in years.	Remarks.	
Aprons, leg	...	10		
Bags, ammunition	...	4		
Bandoliers, web (shoulder or waist)	...	4		
Belts	pouch {	staff sergeants'	7	Household Cavalry.
		... ..	12	Cavalry of the line.
		other ranks	8	Other corps receiving them.
		... ..	7	Household Cavalry.
		... ..	12	Cavalry of the line.
	waist, buff, cavalry, line, all ranks	... ..	9	
		waist, buff, cavalry, household, all		
		ranks	7	
		... ..	8	Rifles.
		... ..	12	Other corps receiving them.
Belts	waist, valise equip-ment	staff sergeants'	9	Rifles.
		... ..	12	Other corps receiving them.
		general service	12	
		... ..	7	
		waist, under officers', Woolwich	6	
	Billets for sword carriages... ..	... ..	9	No definite period can be fixed.
		... ..	12	Rifles.
		... ..	12	Other corps.
		... ..	6	Four years only for Lancers.
		... ..	9	
Carriages, waist belt	...	6		
Cases, brown, pistol	...	9		
Chapes	...	12		
Frogs ... ..	...	... ..	8	Rifles.
		... ..	12	Other corps.
		... ..	10	
Handcuffs, common	...	12		
Knots, sword, leather ... ..	...	... ..	4	Rifles.
		... ..	6	Other corps.
		... ..	8	Chief warders.
Lanyards, pistol	...	3		
Pouches	{	ammunition	7	Household Cavalry.
		... ..	9	Cavalry of the line.
		... ..	9	Rifles.
		warders'	10	Other corps.
		writing materials	7	
Stings, carbine or rifle, buff	...	8		
Straps	{	greatcoat	9	
		mess-tin { mounted services	6	
		{ dismounted services	9	
		water bottle, enamelled... { buff	5	
		black	4	
Tins, mess and covers	{	web	4	Guards.
			3	Others.
			3	
Valises { canvas	...	6		
Whistles with thongs	...	8		
	...	12		

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Vocab.

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A.C.D.

Gen. No.

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Gen. No.

9309

The following periods of wear for certain new pattern accoutrements have been allotted provisionally :—

TABLE 2a.		Guards.	Others.	Remarks.
54	Bandollers, brown leather { 90 rounds	—	6	
	50 „	8	6	
Cav.	Belts, waist, brown	8	6	
	Carriers, great coat, web	3	3	
549	Carriers, water bottle, brown leather ...	8	6	
	Covers, mess tin, { N.P. Accoutrements	4	4	
	dismounted ser- { Other pattern ...	3	3	
	vices, drab,	6	6	
	Haversacks, G.S.	8	6	
	Pockets, ammunition waist { 15 rounds	8	6	
	belt, brown leather { 10 „	8	6	
54	Slings, rifle, web, G.S.	5	4	
Gen. No.	Straps { coat N.P. brown	8	6	
	{ shoulder water bottle	5	3	
9399				

HARNES, SADDLERY, AND STABLE NECESSARIES.

TABLE 3.		Duration, in years.	Remarks.
HARNES AND SADDLERY.			
Bags {	corn*	8	
	nose*	3	
Bands, back		7	
Bearers, trace		7	
Bits {	bridoon	12	
	portmouth	12	
Blankets, saddle		4	
Breastpieces		7	
Breastplates		5	
Breechings		7	
Bridles, snaffle		3	
Brushes {	harness, hard	1	
	horse	1	
	water, carriage... ..	1	
Buckets {	carbine	5	
	lance	5	
	rifle	5	
	signalling flags	5	
Cases, horseshoe		5	
Cases, horseshoe		7	
Chains, hame		6	
Collars {	breast	7	
	head { warrant officers, non-commissioned officers and men	4	
	officers	5	
Combs, curry		7	
Cruppers		7	
Dock pieces		7	
54	Fringes, eye	1	
Gen. No.	Frogs, swords, saddle	5	
	Girths { leather	7	
9291	{ web	3	
	Hames	16	

* Nose and corn bags are expected to last the periods prescribed for them respectively when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

Harness, Saddlery, and Stable Necessaries—continued.

TABLE 3—continued.				Duration, in years.	Remarks.
Heads, bridle	...	...	...	5	
Hooks, pole bar	...	...	...	10	
Irons, stirrup	...	...	...	16	
Leathers, stirrup	...	...	...	5	
Leggings, drivers'	...	...	...	7	
Numnahs	...	...	...	3	
Pads, { back, A.S.C.	...	...	...	6	
collar, zinc	...	...	...	3	
Pannels, { saddle { drivers and luggage...	...	...	...	7	
officers and universal	...	...	...	8	
numnah	...	...	...	8	
Pieces, buckling	...	...	...	7	
Protector, cape	...	...	...	8	
Reins { bearing, leading, and bridoon	...	...	...	5	
portmouth bit, and side	...	...	...	5	
driving	...	...	...	6	
Ropes { head, hemp†	...	...	...	6	
heel	...	...	...	6	
Rubbers, horse	...	...	...	1	
Runners, stirrup leather	...	...	...	10	
Sacks, corn†	...	...	...	5	
Saddletrees { flaps	...	...	...	12	
seats	...	...	...	6	
V-girth, attachments	...	...	...	6	
Skins { lamb, officers	...	...	...	7	
leopard, officers	...	...	...	7	
sheep, Household Cavalry	...	...	...	6	
Sponges, { riding horses	...	...	...	$\frac{1}{2}$	
7 drams { draught	...	...	...	$\frac{1}{2}$	
Straps { all kinds (except kicking)	...	...	...	5	
kicking	...	...	...	10	
Surcingles	...	...	...	5	
attachment hames	...	...	...	5	
chains	...	...	...	5	
harness, lead and wheel, and	...	...	...	7	
saddlery	...	...	...	7	
Traces { harness, short	...	...	...	5	
hooks	...	...	...	5	
long, harness, mule, breast, G.S.	...	...	...	5	
pieces, leather	...	...	...	5	
ropes...	...	...	...	2	
short harness, mule, breast, G.S.	...	...	...	5	
Tugs { back-band, and breast harness	...	...	...	7	
trace	...	...	...	7	
Wallets...	...	...	...	7	
Whips { drivers	...	...	...	3	
driving	...	...	...	3	
hand	...	...	...	1	
longeing	...	...	...	2	
Scissors, { 1 pair for each riding horse	...	...	...	5	
trimming { 1 pair for each pair of draught	...	...	...	3	
horses	...	...	...	3	

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Officers

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† Corn sacks and head ropes are expected to last the periods prescribed for when the troops are in permanent stables only. On other occasions the time articles will last will depend on the nature of the service and the station.

PART-WORN HARNESS AND SADDLERY.

The period of duration for articles of harness and saddlery issued part-worn is to be taken under ordinary circumstances as half that fixed for new.

MUSICAL INSTRUMENTS.

TABLE 4.				Duration, in years.	Remarks.
Bugles, without strings {				4	Mounted corps.
				6	Other corps.
Cases	{ leather	{ flute { B	...	6	
			{ F	...	6
	{ drum, ticken	{ piccolo	...	6	
			...	10	
Drums	{ side, brass, large	{ side, brass, cords	...	10	
			...	1	
	{ heads	{ sticks	...	10	
			... pairs	10	
Flutes	{ B	{ F	...	6	
			...	6	
Piccolos	{ E flat	{ F	...	6	
			...	6	
Strings, bugle, or trumpet				4	
Trumpets	...	...	{	4	Mounted corps.
				6	Other corps.

APPOINTMENTS, PIONEERS.

TABLE 5.		Duration, in years.	Remarks.
Axes	{ hand	12	
	{ pick 6½ lbs. heads, 34½-in. helve	12	
Cases	{ tools, shoeing { No. 1	9	
	{ No. 2	9	
	{ pioneer equipment, cavalry	9	
Nippers, end-cutting, cavalry, pioneer	...	8	
Pliers, ...	...	8	
Pouches, matchbox	...	9	
Rules, 18 ins.	...	12	
Saws, hand 18-in.	...	12	
Sets, saw, hand	...	12	
Spades, N.P.	...	12	
Straps, connecting, valise equipment, old pattern,	...		
mess-tin ...	...	9	
	{ buffer, farriers'	12	
	{ hammer, farriers', shoeing	12	
	{ shoeing { knife, drawing, farriers'	12	
	{ pincers, farriers'	12	
Tools	{ rasps, farriers', 14-in.	12	
	{ augers, bull-nosed, 2-in.	12	
	{ small { files, saw, taper, 2nd cut single, 6-in....	12	

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MISCELLANEOUS ARTICLES.

TABLE 6.				Duration, in years.	Remarks.	
Bicycles	...	...	...	3		54
Binoculars	...	...	...	7		Gen. No.
Cases	...	...	...	7	When in constant use.	4806
Box, schoolmasters'	...	...	...	12		11
Chests, clothing, or school materials	...	...	...	15		8845
Case, wood, armourers'	...	...	...	12		A.C.D.
Flags, signal, army	{ large...	...	...	2		India
		small	...	1½		1021
	{ poles	large	...	4		
		small	...	3		
	brass or gun	figures, 0 to 8,	...	12		
Stamps	metal, on	sets	...	12		
	wood, ½ in.	letters, single	...	12		
	copper, inlaid,	figures, 0 to 8,	...	12		
	½ in.	sets	...	12		
		letters, single	...	12		
	steel, for metal	figures	...	5		
	or wood ¾ in.	letters...	...	10		
	steel for metal, dash,	lines ½-inch	...	10		
	steel, for wood,	figures, 0 to 8,	...	12		
	½ in.	sets	...	12		
		letters, single	...	12		
	steel, ½ in.	...	...	12		
Telescopes	...	...	...	7	When in constant use.	38407
Cases	...	...	...	7		Equip.
						2101

SECTION XIX.—DUTIES OF ARMOURER-SERJEANTS.

404. Armourer-serjeants will perform the following duties:— Duties.

(a.) Execute all repairs required to the arms (including lances, pistols, swords, and scabbards) in possession of, or that may be supplied to, their respective units; and perform any other work, within their capabilities, required to the equipment of their units, such as repairs to helmets and chains, busby chains, lancer cap chains, and the brasswork on the lancer cap. If in possession of the certificate granted by the chief inspector of small arms as having passed a course of instruction at Birmingham in the repair of bicycles, they will execute all repairs to any bicycle or bicycle accessories on charge, except re-enamelling, for which service arrangements will be made by chief ordnance officers.

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(b.) Inspect quarterly all bicycles, rifles, carbines, pistols, and sword-bayonets in use, making good defects wherever possible—*vide* paragraph 374; then, with the prescribed assistance, brown any bicycle components and the barrels of such arms, including machine guns, as may require it. (As far as possible, the quarterly inspection to take place on Saturdays, or after 4 p.m. on other days, so that the training of the troops is not interrupted.) Apply composition preserving arms between fore-ends and barrels periodically in accordance with the instructions in foot-note to Section II, Appendix VIII. Thoroughly strip yearly for examination and cleaning all bicycles, rifles, carbines, and pistols in use. Examine yearly all swords and lances. (The yearly strippings and examinations to take place during the winter season.) Examine and clean all arms and bicycles issued from store before they are placed in the hands of the troops, removing any excess of lubricant from the barrels and actions of the arms. Examine and clean all machine guns and bicycles in accordance with "Instructions for care and preservation" issued for them respectively.

(c.) Mark all arms in possession or that may be supplied, also the drums, bugles, or trumpets. Perform all repairs to the iron and metal-work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons which is to be done every third year, or oftener if necessary. Keep in repair the tools in the armourer's boxes.

(d.) Within working hours, the services of armourer serjeants will, when the duties of their own units admit, be generally available for the performance of any of the above duties for other units or departments, without extra remuneration; but the employment of an armourer-serjeant with another corps is limited to the case of units without artificers,—or to cases in which artificers are attached, but additional assistance is required under exceptional circumstances.

(e.) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

(f.) Fit the plates supplied with cork helmets.

405. The localised armourer-serjeants, referred to in paragraph 368, will examine, repair, and rebrown, as necessary, the arms of all depôts, units unprovided with armourer-serjeants, and militia battalions, in the districts allotted to them. When in possession of the certificate referred to in paragraph 404(a), they will execute all repairs, as necessary, to any bicycle or bicycle accessories, except re-enamelling, for which service arrangements will be made by the chief ordnance officer.

406. Armourer-serjeants will, in addition to the duties laid down in paragraphs 404 and 405, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform.

407. Armourer-serjeants are not allowed to make any charge against a soldier for work performed on the arms.

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armourer
serjeants.

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work.Soldiers not
to be
charged.

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APPENDIX I.

(Referred to in paragraphs 14 and 86.)

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS

Ledgers.
When bal-
anced and
furnished.

1. The ledgers will contain a faithful record of all permanent equipment received or issued. They will be balanced up to 31st March in each year, and will be forwarded, with the vouchers in support, from home stations direct, and from stations abroad through the chief ordnance officer, before the 1st May, to the War Office or local audit office. The vouchers are to be laid flat in the equipment ledger.

Copies to be
kept.

2. Copies will be kept of all equipment ledgers sent for examination. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies will be retained by the accountant, who will correct his copy of the ledger accordingly.

Special
cases.

3. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the War Office or local audit office.

Transfer of
equipment.

4. When equipment is transferred from one accountant to another, stock will be taken as laid down in paragraph 14, Part I, and the Board therein mentioned will furnish the following certificate :

* Here insert *
the corps.
† Here insert
the date.

We certify, in accordance with paragraph 14 of the Equipment Regulations, Part I, that on the transfer of the equipment of the _____ on the _____ the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger.

President, _____

Members { _____

Officer giving over charge.

Officer taking over charge.

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Gen. No.
9161
Stores found
surplus or
deficient.

This certificate will be forwarded with the vouchers of the Equipment account on the 31st March following.

5. Any surplus stores will at once be brought on charge in the ledger by certificate receipt voucher. The voucher will be signed by the officers who sign the certificate. All stores which may be found to be deficient will be struck off charge, and dealt with as laid down in paragraphs 539 to 541 King's Regulations.

6. A balance will then be struck, as directed in paragraph 15 of this Appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible. This balance will agree with the numbers given by the certificate referred to in paragraph 4 of this Appendix.

A balance to be struck.

7. Officers commanding detachments referred to in paragraph 96, Part 1, will render equipment ledgers in accordance with these regulations, so long as they remain independently detached. When a detachment of infantry is attached to a battalion, the equipment will be transferred, by voucher, to the officer commanding the battalion, but will be accounted for by him, in a separate ledger, Army Book 239.

Equipment of detachments.

8. When a detachment returns to its own unit, or is absorbed in a territorial dépôt or other corps, the equipment will similarly be transferred to the dépôt or corps ledger; and the detachment ledger will be closed, and rendered, complete with its vouchers, to the War Office, or local audit office, as a final ledger.

Closing detachment ledgers.

9. Articles supplied in sets for which a single heading is provided in the printed equipment ledgers, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled." A certificate will be given at the end of the ledger by the commanding officer that the sets and tool chests are complete, and contain the articles that should be comprised in them, as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail. The articles drawn from the army ordnance department to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Articles supplied in sets not to be accounted for in detail.

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted as soon as possible after they occur, and will be supported by voucher.

Transaction to be promptly recorded. Designations and posting of vouchers.

11. Vouchers for stores issued are called issue vouchers, and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger.

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed "total number or quantity," the columns S. R. U. and D. being left for use of the army ordnance department.

Vouchers to show total quantity only.

13. The ledger folios at which entries are made should invariably be noted on the vouchers supporting the account in the column headed "ledger folio."

Ledger folio to be noted on vouchers.

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered in red ink on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

Receipt and issue vouchers to be kept separate.

How the
ledger is
balanced.

Remain.
State.

Certificate on
forwarding
account.

15. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger. The total issues are then brought over to the left hand side and written immediately under the total receipts, the quantities left becoming the ledger balance or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

16. In forwarding the equipment account, officers commanding will certify that it has been carefully checked by an officer appointed by him for that purpose, who will sign it in evidence of such examination.

APPENDIX II.

(Referred to in Paragraph 84.)

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR FROM INDIA.

GENERAL INSTRUCTIONS.

8

Equip.

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1. The equipment of troops proceeding to or from India is transferred on payment (except as provided in paragraphs 23 and 24) from the Imperial to the Indian Government, or *vice versa*, at the same date at which the troops are transferred to or from Indian pay, *i.e.*, in the case of—

- (a) Ordinary reliefs, on the date of embarking for, or disembarking from, India; and
- (b) Indo-Colonial reliefs at Imperial expense on the day of disembarking in, or embarking from, India.

A special survey on the equipment of troops so proceeding will always be held for the purposes of ensuring that the equipment transferred from one Government to the other is correct and serviceable, and of affording a basis for the adjustment of its value between the War Office and the India Office. (See also Clothing Regulations.)

2. Such surveys will be held as follows:—

In the case of—

All units embarking for India.

Prior to embarkation.

“ “ “ from India	{	for Home	}	After disembarkation.
		„ Egypt		
		„ Mediterranean		
		„ any other station		
				Prior to embarkation.

3. The dates upon which these surveys will be carried out during the trooping season will be arranged by the Inspector of Military Equipments, appointed by the Secretary of State for India to represent the Indian Government, who will attend all such surveys held at home, in Egypt, and in the Mediterranean stations.

The General Officer or Brigadier-General in charge of Administration in the command in which the unit is stationed will be informed by the Inspector of Military Equipments, India Office, of the dates when it is desirable the survey should be held, which, in the case of a unit embarking for India, will usually be about one month prior to embarkation.

An Ordnance Officer in the command concerned will be detailed to represent the Imperial Government, who, with the representative of the Indian Government, will constitute the Board of Survey.

4. When the Secretary of State for India does not send a representative, *i.e.*, at stations abroad other than those named in paragraph 3, the General Officer Commanding will in all cases convene a special Board for the survey not less than one month before the day fixed for embarkation, constituted, when practicable, as follows:—

A field officer, not of the unit concerned	...	President.
A captain of the unit	... ..	} Members.
An ordnance officer	... ..	

5. At surveys held under paragraph 3, the Inspector of Military Equipments will obtain from the Chief Inspector of Small Arms the services of a viewer of small arms to assist the Board. At surveys held under paragraph 4, expert assistance will be furnished to the Board by the Army Ordnance Department.

Ordinary Reliefs proceeding to India from Home and Stations Abroad.

6. Full information regarding the equipment to be taken to India will be furnished to the officer commanding the unit by the Inspector of Military Equipments, India Office.

7. The following preparations for the survey will be made by the officer commanding the unit:—

- (a) The equipment ledger will be temporarily balanced to the date of the survey, and produced before the Board.
- (b) Lists of all articles of equipment in possession of the unit will be prepared, for the information of the Board, on the forms provided, and as directed in the instructions on those forms, which will be issued in good time to the Officer Commanding the unit concerned by the Inspector of Military Equipments, India Office, S.W.

8. The survey will be taken by squadrons, batteries, or companies, each man bringing up his complete set of accoutrements in order of the lists (paragraph 7b), every article being separated. Cloaks, greatcoats, capes and any other articles of public clothing will be inspected at the same time.

9. The arms, accoutrements, public clothing, and appointments of infantry staff sergeants, drummers, band and pioneers, will be included in the returns of the Companies to which they are attached, but the quartermaster's stores, artificers' and regimental tradesmen's tools, materials for repair, and any other miscellaneous articles of Government property, will be inspected separately.

10. Armourers' tools will not be taken by units to India as regimental equipment.

11. Any articles on charge in the equipment ledger which are not produced to the Board will be charged against the unit and paid for before embarkation.

12. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey and will forward the same, accompanied by the detailed forms alluded to in paragraph 7 (b), through the General Officer or Brigadier-General in charge of administration, to the War Office.

13. Articles required to complete the arms and equipment of the unit to Indian strength (including replacement of those condemned and found deficient by the Board) will be issued by the Army Ordnance Department on receipt of indents from the officer commanding, made out on the usual forms, countersigned by the surveying officers (paragraph 3) or by the President of the Board (paragraph 4). The stores will be issued before embarkation of the unit. Immediately after the unit has embarked, the Chief Ordnance Officer concerned will forward to the War Office copies of the issue vouchers for stores that have been supplied in satisfaction of the above indents.

14. All articles of equipment in excess of Indian scales or condemned by the Board as unfit to be taken to India, except water-bottles and their adjuncts (see paragraph 23), will be returned to store before the unit embarks for India, the usual vouchers being passed. Any such articles taken by the unit to India will have to be paid for by the unit, or returned to England at the expense of the unit.

Ordinary Reliefs proceeding from India to Home Stations and Stations Abroad.

15. In the case of units proceeding from India, a similar special survey will be held by a Board constituted as directed in paragraph 3 as soon as possible after disembarkation, the date of which will be arranged for by the Inspector of Military Equipments, as in the case of units proceeding to India, referred to in paragraph 3. When the unit is proceeding to a station abroad other than to Egypt and the Mediterranean, the survey is held prior to embarkation.

16. In the case of inspections held after disembarkation, the officer commanding will produce to the Board the Indian equipment ledger showing the final balances at the date of embarkation, together with copies of the Indian returns showing the condition and dates of issue of all equipment on leaving India. The necessary forms for the survey will be issued from the India Office, and should be prepared as laid down in paragraph 7 (b). When the Boards of Survey are held in India prior to embarkation, the procedure laid down in paragraph 22 will be followed.

17. The procedure as laid down in paragraph 12 will be followed, except that the report and detailed forms will be forwarded to the India Office, instead of to the War Office. A statement of the articles passed by the Board as fit to be taken over by the Imperial Government, and which will form the first charge in the Imperial

equipment ledger, will be furnished in due course to the Officer Commanding the unit by the Inspector of Military Equipments as a voucher to be rendered with the ledger. No obsolete articles, or articles of Indian pattern, will be passed for transfer by the Board.

18. The necessary vouchers for disposal of any articles not taken over by the Imperial Government will be furnished to the Officer Commanding the unit by the Inspector of Military Equipments, but no steps will be taken to dispose of any articles not taken over by the Imperial Government until instructions on the subject have been received from him. Any claim against the unit for the value of any articles found deficient will be prepared by the India Office.

19. Any articles required to complete the equipment of the unit to the Imperial scale will be demanded on the usual forms immediately after the survey has been held. Should the survey be unduly delayed from any cause, an immediate report of the circumstances will be made by the General Officer or Brigadier-General in charge of administration to the War Office.

Indo-Colonial Reliefs at Imperial Expense.

20. Units which are to proceed to or from India as Indo-Colonial reliefs at Imperial expense will receive instructions to that effect. The Boards of Survey in these cases will be held prior to embarkation or after disembarkation, as the case may be, in accordance with the provisions of paragraph 2.

21. The procedure as laid down for ordinary reliefs in paragraphs 4 to 14 will be followed in the case of units proceeding to India.

22. When units are inspected before leaving India, only the stores passed by the Board as fit to be taken over by the Imperial Government will be taken by the unit on leaving India, and the statement of them drawn up by the Board will form the first charge in the Imperial equipment ledger, as directed in paragraph 17. In the case of units inspected after disembarkation, the procedure laid down in paragraphs 16 and 17 will be followed.

Water-bottles.

23. Water-bottles of home-service pattern will be issued to all troops proceeding to and from India, irrespective of destination. On arrival in India they will be handed over to the Indian Ordnance Department, and a receipt obtained for them. On embarking from India similar issues of home-service pattern water-bottles will be made, and a receipt given to the ordnance officer by the officer commanding the unit receiving the stores. These articles will be omitted from the valuation returns, but in the case of units proceeding to India they will be inspected by the surveying officers, and those condemned will be replaced before embarkation.

Drafts proceeding to, or returning from, India.

24. The arms and equipment of such drafts will be dealt with as detailed below. Care must be taken in all cases to ensure the replacement of unserviceable articles prior to embarkation.

Master Gunners, Schoolmasters, Armourers, Armament Artificers	Other Warrant Officers, Non-commissioned Officers and Men proceeding as "Drafts" should	When special instructions as to Arms and Equipment are given by the War Office or Government of India,
Should always proceed to or return from India with the whole of the personal Arms and Equipment prescribed for their rank, with the exception that bags, spare field kit, will not be taken to India. Armourers' tool boxes and their contents should not accompany Armourers proceeding to or from India. Immediately upon embarkation for or disembarkation from India, the Officer Commanding Unit on the British Establishment (which the men leave or join, as the case may be) will forward to the War Office a return upon Army Form G. 830. If in any case no equipment is brought from India a "nil" return will be sent. Water-bottles (with straps, carriers, or carriages for same) need not be included in these returns (<i>vide</i> paragraph 23).	Under ordinary circumstances Proceed to and return from India unarmed, but each should take the following items of Equipment:— Water-bottles with strap, carrier or carriage for same. Haversack. Mess Tin. Cover for ditto (dismounted men). Strap " " (mounted men). A return for these items need not be prepared, but if any articles other than those mentioned are taken to or brought from India, a return in manuscript showing all such articles, with their dates of issue, must be rendered to the War Office.	Proceed to or from India with such Arms and Equipment as may be directed. In all such cases returns on Army Form G. 830 will be prepared and forwarded to the War Office; the instructions detailed in column 1 for Master Gunners, etc., being observed.

APPENDIX III.

(Referred to in paragraph 397.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF FLUTES AND PICCOLOS.

1. The player, in whose care the instrument is placed, must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick, a slight gloss in the bore is all that is required. Joints and bore to be wiped with oiled rag.
2. After use the moisture must be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush must be passed through the bore. Moisture to be removed.
3. To protect the wood from splitting the instrument must not be placed in the sun, nor laid on cold stone, or iron, while warm or wet inside, and the cleaning rag must not be forced through the bore. Precautions against splitting.

APPENDIX IV.

(Referred to in paragraphs 267 and 270.)

TOOLS AND MATERIALS FOR REGIMENTAL AND CIRCUIT ARMOURERS.

(1.) The tools and materials for the repair of arms will be supplied free in the first instance, but are thereafter to be kept up and renewed as they become worn out, at the expense of the armourer.

(2.) The screw plates and taps when renewable must be obtained exclusively from the Army Ordnance Department.

(3.) When a regimental armourer is detailed to perform work for which tools are required which are not included in his set the additional tools may be obtained on loan from the Army Ordnance Department.

(4.) The tools for repair of bicycles will be supplied for the use of armourers with certificates mentioned in paragraph 404, and held on equipment ledger charge of the unit to which the armourer is attached. Any replacements, when required, will be at the public expense.

(E. R.)

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Tools and Materials for Regimental and Circuit Armourers—*contd.*

	Quantities allowed.	Remarks.
Boxes , tool, empty, regimental arm- ourers	1	The Mark II box will be issued for armourers of units proceeding on active service, but will not be supplied for use in time of peace until the store of the Mark I box has been used up.
Anvil , butt, stock (gunmetal, for attaching butts)	1	
Awls { blades, armourers'	2	
{ handles, brad, small	2	
Bits , soldering, 1½-lbs.	1	
Braces , armourers'	1	
Braces , armourers, bits { countersink, rose	1	
{ rimer { half-round	1	
{ { 4-square	1	
{ { 5 "	1	
{ screw-driver { butt plate, screw	1	
{ stick, cleaning chamber,		
{ '303-in. arms; also for	1	
{ cutter, countersink cart-	1	
{ ridge head, M.M. and M.E.	1	
{ stock, bolt, M.L.M.	1	
{ spoon (with washer)	1	
Cans , oil, lubricating, armourers'	1	
Chisels { firmer { $\frac{3}{4}$ in.	1	
{ " { $\frac{1}{2}$ "	1	
{ " { $\frac{1}{4}$ "	1	
{ hand, cold { $\frac{1}{2}$ " × 7 in.	1	
{ " × 7 "	1	
Clams , { armourers' standing vice pair	1	Not in Mark II box.
{ regimental { buff-lined "	1	
{ armourer's { cork-lined "	1	For Mark II box.
{ parallel vice, { cork-lined "	1	
Corks , clam (single)	4	
{ fore-end { Mark I*	1	
{ M.L.M. rifle { Mark II	1	
Drifts { magazine, catch pin, M.L.M.	1	
{ sight, axis-pin, M.L.M.	1	
{ wire, small	1	
{ armourers' { large	2	
{ small	1	
Drivers , { extractor, axis, M.L.M.	1	
screw { dial, sight, M.L.M.	1	
{ (nut, screw, grip,		
{ sword-bayonet,		
{ pattern 1888,		
{ Mark III)	1	
Files , bastard, flat 6-in.	2	

Tools and Materials for Regimental and Circuit Armourers—*contd.*

				Quantities allowed.	Remarks.
Files, bastard — <i>contd.</i>	half-round	10-in.	2		
		8 "	1		
		6 "	2		
		4 "	2		
	pillar	6 "	1		
		8 "	1		
	round	4 "	2		
		3 "	2		
	hand	10 "	2		
	safe-edge	8 "	2		
3-square, 6-in.				2	
Files, dead smooth, 3-square, 6-in.	flat			1	
	6-in.			1	
Files, smooth	half-round	8 "	1		
		6 "	2		
		4 "	1		
		6 "	2		
	pillar	3 "	1		
		8 "	2		
	hand	8 "	2		
	safe-edge	6 "	1		
	three-square	5 "	1		
		4 "	2		
Floats, fore-end, M.L.M.	{ No. 1 (large)			1	
	{ No. 2 (medium)			1	
	{ .064 in.			1	
Gauges, armourers'.	{ distance of bolt from end of chamber, M.L.M.			1	
	pistol, Webley	{ .072 in.		1	
		{ hammer projection and radius of point		1	
		{ distance of cylinder from face of body, rejecting		1	
		{ striker, point, pattern C		1	
	plug,	{ .303-in., Mark I....		†	
		{ .307-in., Mark I....		†	
		{ .308-in., Mark I....		†	
		{ Tapped to fit on rod, plug, or handle, plug; all .303-in. arms, and guns, Maxim, .303-in.			
		{ Tapped to fit on rod, plug; guns, Maxim, .303-in.			
		{ Tapped to fit on rod, plug, or handle, plug; all .303-in. arms.			

This also serves as a gauge,
cartridge, dummy, M.M.,
for testing loading and
firing positions of M.M.
and M.E. arms.

Tapped to fit on rod, plug,
or handle, plug; all
.303-in. arms, and guns,
Maxim, .303-in.

Tapped to fit on rod, plug;
guns, Maxim, .303-in.

Tapped to fit on rod, plug,
or handle, plug; all
.303-in. arms.

† To be obtained from Army Ordnance Department when required by circuit and
district armourers at home and abroad.
(EQ. R.)

Tools and Materials for Regimental and Circuit Armourers—*contd.*

				Quantities allowed.	Remarks.
Gauges, armourers'—<i>contd.</i>	plug, {	.309-in., Mark I ....	....	†	Tapped to fit on rod, plug, or handle, plug; all .303-in. arms, and guns, Maxim, .303-in.
		lead, Mark I ....	....	†	Tapped to fit on rod, plug, or handle, plug; all .303-in. arms and guns, Maxim, .303-in.
	rod, plug, Mark I ....		....	†	Screwed to fit in plugs; all magazine arms, and guns, Maxim, .303-in. arms ;
	handle, plug, Mark I ....		....	†	Screwed to fit in plugs; all M.M. and M.E. arms.
Gimlets, common, Nos. 2, 3, and 5				3	
Gouges, firmer	{	$\frac{3}{4}$ -in. ....	....	1	
		$\frac{1}{2}$ „ ....	....	1	
		$\frac{1}{4}$ „ ....	....	1	
Hammers, riveting	{	24-oz. ....	....	1	
		4 „ ....	....	1	
Handles, file	{	large ....	....	6	
		small ....	....	6	
Implements, action, pattern D				1	
Mandrels,	{	scabbard, sword-bayonet, pattern 1888	blocking, { Mark I	1	Pattern 1888, Naval, Mark I; Pattern 1903, Land, Mark I; and pattern 1903, Naval, Mark I.
			leather { Mark II	1	
		locket		1		Also patterns 1903, Land and Naval.
	{	tip (or chape)		1	
		sight protector, M.L.M. rifle, pattern B		1	Remove the nose cap before attaching the muzzle guide.
		carbine, cavalry, .303-in. and rifle, short M.L.E.		1	
Muzzle guide	{	rifle and carbine, artillery, .303-in.		1	
		Pincers, armourers'		pair	1
Planes, smoothing, armourers'				1	
Plates, screw, 20 taps, 20 holes set				1	
Pliers, flat nose				pair	1
Plugs, clearing	{	plain, .303-in. arms		1	Tapped at end to screw on rod.
		split, M.L.M. rifle....		1	

† To be obtained from Army Ordnance Department when required by circuit and district armourers at home and abroad.

Tools and Materials for Regimental and Circuit Armourers—*contd.*

				Quantities allowed.	Remarks.		
Pots, glue, $\frac{1}{2}$-pint				1			
Pressers, extractor, spring, M.L.M.							
rifle				1	To be replaced by "tool, extractor spring," when store is exhausted.		
Rasps, fine, half-round, 9-in.				1			
Rods, cleaning, .303-in.	{	No. 1	....	1	For jute, suitable for rifle and carbine.		
		No. 2	....	1	For use with brass wire, rifle.		
		No. 3	....	1	For use with brass wire, carbine.		
		cylinder, pistol, Webley	....	1	For use with brass wire.		
Saws	{	hand, 23 $\frac{1}{2}$ -in.	....	1			
		slitting, 7 $\frac{1}{2}$ -in.	....	1			
Scribers, for sight line tool ....				....	This should be made by armourer.		
Sticks	{	buff	....	3			
		cleaning chamber, .303-in.	....				
		arms	....	1			
Stones, oil	{	gauze, wire, pieces	....	1			
		armourers'	....	1			
		slips, Arkansas, large	....	1			
Testers, trigger, pull, Mark II				1			
Tool, extractor, spring				1	To replace "presser, extractor, spring," when store of latter is used up.		
Tools	{	bow, drilling	bows, armourers'		1		
			boxes		2		
			breastplates, armourers'		1		
			drills	 sets	1	5 to a set.	
			stocks		1		
	{	clearing, .303 in. arms	strings, armourers', knots		2		
			{	bits { screw		1	
				spoon		1	
				bush, bit, screw		1	
				rod, No. 2		1	Screwed at end to take clearing bits and plugs.
	{	removing and replacing protectors front sight Nos. 1 and 2			1		
			handguard, No. 2		1		
			striker, pattern A. or B		1		
			wad, stock, bolt		1		

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Tools and Materials for Regimental and Circuit Armourers—*contd.*

	Quantities allowed.	Remarks.
Tools, sight, line { rifle { '03-inch, left	1 1	For rifles, M.L.E., Mark and I*, and rifles, M.L.M., Mark II and II*, fitted with barrels having Enfield rifling, with foresight, '05 left, leaf marked with a * on right bottom corner.
Vices { hand, 16-oz. { parallel, regimental armourers'	1 1	For Mark II box only.
Wrench, removing screws, bolt head M.L.M. rifle, Mark I* (with 3 spare screwdrivers) ....	....	To be obtained on loan from A.O.D. if required.
MATERIALS.		
Boxes, oilstone dust, Mark II (con- taining 6-oz.)....	1	
Borax, refined ozs.	2	
Coal ....	....	The coal required may be drawn under paragraph 195, Allowance Regulations.
Cloth, emery, { O. quires	$\frac{1}{2}$	
 { F. "	$\frac{1}{2}$	
Dust, oilstone ozs.	6	
Glue, best town made lbs.	1	
Paper, glass { No. 2 quires	$\frac{1}{2}$	
 { No. 1½ "	$\frac{1}{2}$	
Resin, black lbs.	$\frac{1}{2}$	
Spelter, brass ozs.	2	
Tin, grain "	4	
Wire, { iron, No. 20, W.G.,		
armourers', { soft lbs.	$\frac{1}{2}$	
 { steel, No. 16, W.G.,		
 { hard ozs.	3	Per 1,000 arms.

Tools and Materials for Regimental and Circuit Armourers—*contd.* .

		Quantities allowed.	Remarks.
The following tools will be supplied to armourers when they become circuit armourers :—			
Blocks, depressing, lever, M.M.		1	
Boxes, component, empty, circuit armourers'		1	
Brace, armourers', bits, stop nut		1	
Cutters, countersink, cartridge, head, M.M. and M.E.		1	
Drift, fore-end, M.M....		1	
Drift, wire, large		1	
Gauges, armourers', cartridge, head, M.M. and M.E.		1	
Plates, screw, 6 taps, 3 holes....		set	1
Punch, depressing lever		1	
Rasps, fine, half-round, 9-in.		1	
Stakes, { horns of lever....		1	
armourers' { lever for tumbler		1	
Stones, oil, slips, Arkansas, small		1	
Stamps, steel, for metal.	{ $\frac{5}{8}$ -in. figures, 0 to 8	set	1
	{ $\frac{5}{8}$ -in. letters	„	1
	{ dash lines, $\frac{1}{2}$ -in.	„	1

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TOOLS FOR REPAIR OF BICYCLES.

*Bits, screwdriver, butt-plate screw				1
†Braces, armourers'				—
Brushes, camel hair	{ ½-inch	....	....	2
	{ 1-inch	....	....	2
Clamps, chain	....	....	....	1
Dies, spoke	{ 13-gauge	....	....	1
	{ 14-gauge	....	....	1
†Drivers, screw, armourers', small	....	....	....	—
†Drifts, magazine, catch-pin, M.L.M.	....	....	....	—
Erector	....	....	....	1
Files	{ bastard { half-round, 8-inch, handled	....	....	†
	{ safe-edge, 6-inch, handled	....	....	1
	{ second cut, half-round, 4-inch, handled	....	....	1
	{ smooth, round, 4-inch, handled	....	....	1
Gauge for wheel	....	....	....	1
Hammers, copper, 10-oz.	....	....	....	1
†Hammers, riveting	{ 24-oz.	....	....	—
	{ 4-oz.	....	....	—
Holder for spoke dies	....	....	....	1
Injector, paraffin	....	....	....	1
Moulds for vice-clams	....	....	pair	1
Noses for stand, wheel, erecting	....	....	....	1
Pliers,	{ flat-nose,	....	....	pairs
	{ punch (for leather)	....	....	1
Pots, cooking, oval, 2 gallons	....	....	....	2
Punch, rivet, for chain	....	....	....	1
†Saws, slitting, 7½-inch	....	....	....	—
Stand, wheel, erecting	....	....	....	1
Scissors, rounded points	....	....	pairs	1
	{ box { hexagon	....	....	1
	{ square	....	....	1
Spanners	{ B.S.A. { thick	....	....	1
	{ thin	....	....	1
	{ nipple	....	....	1
	{ valve nut	....	....	1
Stock and dies (dies, 10; taps, 10) for B.S.A.	....	....	....	1
threads	....	....	set	1
Straight-edge for testing frame	....	....	....	1
Straighteners, crank	....	....	....	1
Tools, repairing, bayonet-scarbards—	....	....	....	—
†Punches, riveting, small	....	....	....	1
†Vice, parallel, regimental armourers', Mark I	....	....	....	1

* For removing pedal pins. Before use $\frac{3}{16}$ inch should be ground off the screwdriver end to give it a stouter edge,

† The tools supplied for small arm repairs will be utilized, if possible.

APPENDIX V.

(Referred to in paragraphs 273 and 275.)

SETS OF TOOLS.

CHEST, TOOL, FILLED, No. 1A.

(Bricklayer's and Mason's, General Service, except for Royal Engineers.)

Articles.										No.
<i>Woolwich Section, 2.</i>										
Axes, pick	{	heads, 4½-lb. ....	....	....	....	....	....	....	....	1
		helves, 36-inches, ferruled	....	....	....	....	....	....	....	1
Shovels, G.S. ...		....	....	....	....	....	....	....	....	1
<i>Woolwich Section, 7.</i>										
Chests, tool, empty, No. 1.		....	....	....	....	....	....	....	....	1
Axes, masons', 6-lb.		....	....	....	....	....	....	....	....	2
Bars, setting		....	....	....	....	....	....	....	....	1
Bevels, wood blade, 15-inch		....	....	....	....	....	....	....	....	1
Chisels	{	brick	{	24-inch	....	....	....	....	....	1
			"	18	....	....	....	....	....	1
				12	....	....	....	....	....	1
				2½	....	....	....	....	....	1
	{	masons'	2	....	....	....	....	....	1	
			1½	....	....	....	....	....	1	
			1	....	....	....	....	....	1	
Hammers	{	brick	{	chisel point, 5-lb.	....	....	....	....	1	
				double pick, 8-lb.	....	....	....	....	1	
	{	masons		mash	....	....	....	....	1	
				spalling, 10-lb.	....	....	....	....	1	
Levels, F. S., 2-ft. 6-in.		....	....	....	....	....	....	....	1	
Lines, bricklayers'		....	....	....	....	....	....	....	....	1
Mallets, masons'		....	....	....	....	....	....	....	....	1
Pins, line		....	....	....	....	....	....	....	pairs	1
Plugs, with feathers		....	....	....	....	....	....	....	sets	6
Points, masons'		....	....	....	....	....	....	....	....	2
Rules	{	G.S., 4-fold	....	....	....	....	....	....	....	1
	{	masons', plumb	....	....	....	....	....	....	....	1
Squares, smiths', iron		....	....	....	....	....	....	....	....	1
	{	bricklayers', 12-inch	....	....	....	....	....	....	....	1
Trowels	{	masons'	....	....	....	....	....	....	....	1
	{	plasterers', set	....	....	....	....	....	....	....	1
<i>Woolwich Section, 25.</i>										
Brushes, whitewash, hair	{	9-oz.	....	....	....	....	....	....	....	1
	{	6	....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 1A (Bricklayer's and Mason's)—*contd.*

Articles.	No.
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for.	
<i>Woolwich Section, 7.</i>	
Sieves, masons'	1

CHEST, TOOL, FILLED No. 3A.
(Carpenter's, G.S.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests, tool, empty, No. 3	1
Adzes, carpenters' { handles	1
{ heads.... ..	1
{ 1½-inch	1
{ 1½ "	1
{ 1½ "	1
{ 1 "	1
{ ¾ "	1
{ ¾ "	1
{ ¾ "	1
{ ¾ "	1
{ ¾ "	1
{ ¾ "	1
{ 18-inch	1
{ 16 "	1
{ 13½ "	1
{ 12 "	1
Awls { blades, brad	24
{ handles, brad { large	3
small	3
Axes, carpenters', 6½-lb.	1
Bags, tool, carpenters'	1
Bars, crow, 2 ft. 3 in.	1
Bevels, steel blade, 12-inch	1
Braces, carpenters', with 24 bits*	1
Chisels, firmer { 1½-inch	1
1 "	1
¾ "	1
¾ "	1

* Detail of bits:

Braces, carpenters', bits	centre, 1½, 1, ¾, ¾, ¾, ¾, and ¾-inch	7
	countersink { flat ...	1
	{ rose ...	1
	dowling, sash	1
	gouge, 1½, 1, ¾, ¾, ¾, and ¾-inch	6
	nose, ¾, ¾, ¾, ¾, and ¾-inch	5
	rimmer, square	1
	screwdriver	1
	taper... ..	1
	.....	1

Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—continued.

Articles.							No.
Chisels	hand, cold	{	1 inch $\times$ 8 $\frac{1}{2}$ -inches	....	....	....	1
			$\frac{3}{4}$ " $\times$ 8 "	....	....	....	1
	mortice	{	$\frac{1}{2}$ -inch	....	....	....	1
			$\frac{3}{4}$ "	....	....	....	1
			$\frac{1}{2}$ "	....	....	....	1
			1 $\frac{1}{2}$ "	....	....	....	1
			1 "	....	....	....	1
	socket	{	$\frac{1}{2}$ "	....	....	....	1
			$\frac{3}{4}$ "	....	....	....	1
			$\frac{1}{2}$ "	....	....	....	1
$\frac{3}{4}$ "			....	....	....	1	
Compasses	{	common, 7-inch	....	....	....	1	
		wing, 10 "	....	....	....	1	
Drivers, screw, G.S.	{	14-inch	....	....	....	1	
		6 "	....	....	....	1	
Files	bastard	....	half-round, 14-inch	....	....	....	2
			round 14 "	....	....	....	1
	saw, taper, 2nd cut, single	{	5 $\frac{1}{2}$ "	....	....	....	18
			4 "	....	....	....	6
Gauges, carpenters'	{	marking	....	....	....	....	1
		mortice	....	....	....	....	1
Gimlets	common	{	No. 1	....	....	....	2
			" 2	....	....	....	2
			" 3	....	....	....	1
			" 4	....	....	....	1
			" 5	....	....	....	1
			" 6	....	....	....	1
	spike	{	$\frac{3}{4}$ -inch	....	....	....	2
			$\frac{1}{2}$ "	....	....	....	2
			$\frac{3}{8}$ -inch	....	....	....	1
			$\frac{1}{4}$ "	....	....	....	1
Gauges, handled,	firmer	{	$\frac{1}{2}$ "	....	....	....	1
			$\frac{3}{8}$ "	....	....	....	1
Hammers	{	pecking, 1-inch	....	....	....	1	
		riveting, 24-oz.	....	....	....	1	
		smiths', sledge, 10-lb.	....	....	....	1	
Handles, file	{	wheelers', shoeing	....	....	....	1	
		large	....	....	....	2	
		middling	....	....	....	2	
Lines, carpenters'	{	small	....	....	....	2	
		bead, $\frac{3}{4}$ -inch	....	....	....	1	
		jack, double iron	....	....	....	1	
Planes	{	plough	....	....	....	1	
		rabbit, skew	....	....	....	1	
		smoothing, G.S.	....	....	....	1	
		trying	....	....	....	1	

Chest, Tool, Filled, No. 3A (Carpenter's, G.S.)—continued.

Articles.	No.
Pots, glue, 1-quart	1
Punches, carpenters' { large small	1 1
Rasps, coarse, half-round, 12-inch	1
Reels, carpenters' line	1
Rules, carpenters', common	1
Saws { compass	1
hand, 26-inch	1
tenon, 19-inch	1
Sets, saw { hand	1
pit	1
Shaves, spoke { 4-inch	2
3½ "	2
Spanners, McMahon, 15-inch	1
Squares { carpenters', 9-inch	1
smiths', iron	1
Stones, oil, carpenters'	1
<i>Woolwich Section, 11.</i>	
Chalk, white (for line, carpenters')	lbs. ½
<i>Woolwich Section, 25.</i>	
Brushes, paint, sash tool, No. 6	1
<i>Woolwich Section, 26.</i>	
Stones, rag	1

CHEST, TOOL, FILLED, No. 4A.
(Carpenter's, Plain, G.S.)

[illegible]

Chest, Tool, Filled, No. 4A (Carpenter's, Plain, G.S.)—*contd.*

Articles.							No.
Files, saw, taper, 2nd cut, single	{	9-inch	....	....	....		2
		5½-inch	....	....	....		3
Gimlets	{	No. 1	....	....	....		1
		„ 2	....	....	....		1
		„ 3	....	....	....		1
	{	spike, ⅝-inch	....	....	....		2
Hammers	{	riveting, 24-oz.	....	....	....		2
		wheelers', shoeing	....	....	....		1
Handles, file, small	....	....	....	....	....		2
Knives, drawing, carpenters'	....	....	....	....	....		1
Lines, carpenters'	....	....	....	....	....		1
Pencils, carpenters'	....	....	....	....	....		6
Pincers, carpenters'	....	....	....	....	....	pairs	1
Punches, carpenters', small	....	....	....	....	....		1
Reels, carpenters' line	....	....	....	....	....		1
Rules, G.S., 4-fold	....	....	....	....	....		2
Saws, hand, 26-inch	....	....	....	....	....		1
Sets, saw	{	hand	....	....	....		1
		pit	....	....	....		1
Shaves, spoke, 3¼-inch	....	....	....	....	....		1
Spanners, McMahon, 15-inch	....	....	....	....	....		1
Squares, carpenters', 9-inch	....	....	....	....	....		1
<i>Woolwich Section, 10.</i>							
Locks, pad, iron, 2-inch	....	....	....	....	....		1
<i>Woolwich Section, 11.</i>							
Chalk, white (for line, carpenters')	....	....	....	....	lbs.		¼
<i>Woolwich Section, 26.</i>							
Stones, rag	....	....	....	....	....		1

CHEST, TOOL, FILLED, No. 5A.
(Saddler's.)54
Gen. No.
9657

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests, tool, empty, No. 5	....	....	....	....	....		1
Aprons, basil, brown	....	....	....	....	....		1
Awls, blades, buckling	{	5-inch	....	....	....		3
		4 „	....	....	....		3

Chest, Tool, Filled, No. 5A (Saddler's)—*contd.*

Articles.										No.		
Awls	{	blades	{	drawing....	....	....	....	....	....	2		
				garnishing	{ 2 $\frac{1}{4}$ -inch	....	....	....	....	2		
			harness		2	"					2	
				3	"	....	....	....	....	3		
				2 $\frac{3}{4}$	"	....	....	....	....	4		
				2 $\frac{1}{2}$	"	....	....	....	....	4		
		handles	{	2 $\frac{1}{4}$	"	....	....	....	....	4		
				2	"	....	....	....	....	3		
			pannel	7	"	....	....	....	....	2		
				5 $\frac{1}{4}$	"	....	....	....	....	2		
Bones, hollow	....	....	....	....	....	....	....	....	1			
Chisels, hand, cold, $\frac{3}{4}$ inch x 8 inches	....	....	....	....	....	....	....	....	....	1		
Clams, saddlers'	....	....	....	....	....	....	....	....	pairs	1		
Claws, nail	....	....	....	....	....	....	....	....	....	1		
Compasses, common, 7-inch	....	....	....	....	....	....	....	....	pairs	1		
Creases	{	double	....	....	....	....	....	....	....	1		
		single	....	....	....	....	....	....	....	1		
Drivers, screw, G.S., 6-inch	....	....	....	....	....	....	....	....	....	1		
Gimlets, common, No. 6	....	....	....	....	....	....	....	....	....	1		
Hammers	{	riveting, 8-oz.	....	....	....	....	....	....	....	1		
		saddlers'	....	....	....	....	....	....	....	1		
Holdalls, saddlers'	....	....	....	....	....	....	....	....	....	1		
Irons	{	collar, plugging*	....	....	....	....	....	....	....	1		
		12-stitch	....	....	....	....	....	....	....	1		
			pricking	{ 7	"						1	
			5	"							1	
Knives	{	gauge-plough	....	....	....	....	....	....	....	1		
		half-round....	....	....	....	....	....	....	....	1		
		head	....	....	....	....	....	....	....	1		
		trimming	....	....	....	....	....	....	....	1		
Lead, punching, saddlers', 4-lb	....	....	....	....	....	....	....	....	piece	1		
Mallets	{	collar	....	....	....	....	....	....	....	1		
		tinman's	....	....	....	....	....	....	....	1		
Needles,	{	collar, half-moon	{ 6 $\frac{1}{2}$ -inch	....	....	....	....	....	....	1		
			5 $\frac{1}{2}$	"							1	
			4 $\frac{1}{2}$	"							1	
		darning, 4-inch									6	
		harness									75	
		saddlers'	{	sewing								50
				stitching								25
												1
Palms, saddlers'	....	....	....	....	....	....	....	....	....	1		
Pincers, saddlers'	....	....	....	....	....	....	....	....	pairs	1		
Pliers, flat nose	....	....	....	....	....	....	....	....	"	1		

* Or 23 inch in lieu.

Chest, Tool, Filled, No. 5A (Saddler's)—*contd.*

Articles.								No.
Punches, oval	{	No. 31	....	....	....	....	....	1
		28	....	....	....	....	....	1
		24	....	....	....	....	....	1
		23	....	....	....	....	....	2
		22	....	....	....	....	....	2
		21	....	....	....	....	....	2
		20	....	....	....	....	....	2
Punches, spring,	{	....	....	....	....	....	....	1
		cutters (of sizes)						
Rasps, shoemakers',		10-inch....	....	....	....	....	....	1
Rules, G. S., 4-fold	....	....	....	....	....	....	....	1
Scissors, tailors'	....	....	....	....	....	....	.... pairs	1
Shaves, saddlers'	....	....	....	....	....	....	....	1
Spikes, marline, steel, 9-inch	....	....	....	....	....	....	....	1
Sticks, stuffing	....	....	....	....	....	....	....	1
Thimbles, tailors'	....	....	....	....	....	....	....	2
Tools, edge	{	No. 2	....	....	....	....	....	1
		3						
<i>Woolwich Section, 26.</i>								
Stones, rub, scythe	....	....	....	....	....	....	....	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for :—								
<i>Woolwich Section, 7.</i>								
Cards, towsing, small*	....	....	....	....	....	....	.... pairs	1

The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for :—

Woolwich Section, 7.

Cards, towsing, small*						 pairs	1
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* Towsing cards will not be issued unless specially demanded. When issued to Horse and Field Batteries they will be carried in the limber of forge wagon.

PANNIER, TOOL, FILLED, SADDLERS'.

Articles.							No.
<i>Woolwich Section, 7.</i>							
Pannier, tool, empty, saddler's							1
Aprons, basil, brown....							1

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Pannier, Tool, Filled (Saddler's)—*continued.*

Articles.							No.	
Awls, blades	{	buckling, 4 inch					3	
		" 5 "	....	....	....	....	3	
		drawing	....	....	....	....	2	
		garnishing, 2½-inch	....	....	....	....	2	
		" 2 "	....	....	....	....	2	
		harness	3-inch					3
			2¾ "					4
			2½ "					4
			2¼ "					4
		2 "	....	....	....	....	3	
panel,	7 "	....	....	....	....	2		
	5½ "	....	....	....	....	2		
	Awls, handles	drawing	....	....	....	....	4	
harness		....	....	....	....	4		
panel		....	....	....	....	4		
Bones, hollow....							1	
Chisels, hand, cold, ¾-inch × 8-inch							1	
Clams, saddlers', pairs							1	
Claws, nail							1	
Compasses, common, 7-inch							pair	
Cresces,	{	double	....	....	....	....	1	
		single	....	....	....	....	1	
Drivers, screw, G.S., 6-inch....							1	
Gimlets, common, No. 6							1	
Hammers,	{	rivetting, 8 oz.	....	....	....	....	1	
		saddlers'	....	....	....	....	1	
Holdalls, saddlers'							1	
Irons,	{	collar, plugging	....	....	....	....	1	
		pricking	12 stitch	....	....	....	1	
			7 "	....	....	....	1	
			5 "	....	....	....	1	
Knives,	{	gauge, plough	....	....	....	....	1	
		half round	....	....	....	....	1	
		head	....	....	....	....	1	
		trimming	....	....	....	....	1	
Lead, punching, saddlers', 4-lb.							piece	
Mallets,	{	collar	....	....	....	....	1	
		tinman's	....	....	....	....	1	
Needles,	{	collar,	6½-inch.	....	....	....	1	
		half	5½ "	....	....	....	1	
		moon	4½ "	....	....	....	1	
		darning, 4 "	....	....	....	....	6	
		harness....	....	....	....	....	75	
saddlers'	{	sewing	....	....	....	....	50	
		stitching	....	....	....	....	25	
Palms, saddlers'							1	
Pincers, saddlers'							pairs	
Pliers, flatnose							1	
Punches, oval,	{	No. 31	....	....	....	....	1	
		No. 28	....	....	....	....	1	
		No. 24	....	....	....	....	1	
		No. 23	....	....	....	....	2	

Pannier, Tool, Filled (Saddler's)—*contd.*

Articles.										No.
Punches — <i>contd.</i>	{	oval,	No. 22	....	....	....	....	....	....	2
			No. 21	....	....	....	....	....	....	2
			No. 20	....	....	....	....	....	....	2
			spring	....	....	....	....	....	....	1
			„ cutters (of sizes)	....	....	....	....	....	....	4
Rasps , shoemakers', 10-inch			....	....	....	....	....	....	1	
Rules , G.S., 4-fold			....	....	....	....	....	....	1	
Scissors , tailors'			....	....	....	....	....	pairs	1	
Shaves , saddlers'			....	....	....	....	....	....	1	
Spikes , marlin-, steel, 9-inch			....	....	....	....	....	....	1	
Sticks , stuffing			....	....	....	....	....	....	1	
Thimbles , tailors'									2	
Tools , edge	{		No. 2							1
			No. 3							1

Woolwich Section, 10.

Locks , pad, brass, 1½-in. h							1
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Woolwich Section, 26.

Stones , rub, scythe							1
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The undermentioned material, taken from the supply allowed in Appendix XIV, Part I, of Equipment Regulations, will also be carried in the pannier with the tools when required :—

Woolwich Section, 6.

Basils, brown	{	strained	....	....	....	....	1	
		unstrained	....	....	....	....	1	
		barred, 1½-inch, curved	....	....	....	....	3	
Buckles, iron, roller	{	1½-inch, (head collar)	....	....	....	....	3	
		double { 1	..	..	..	..	3	
		7/8	..	..	..	..	6	
		single { 1¾	..	bow leg	....	....	3	
		1½	..	..	....	....	3	
Hair, horse, saddlery							lbs.	3
Hides, brown, backs, collar								3 3/4
Felt, brown (or Numnah) cuttings							lbs.	1
Rings, iron, 1½-inch, slight								3
Serge, saddlers'							yards	1
Studs, walet								6
Thread,	{	flax, fine	....	....	....	....	lbs.	1 8/10
		whited, brown	....	....	....	....	..	1 4/10
Twine, quilting							..	1 8/10
Web, hemp, 3-inch (straining)							yards	2

Woolwich Section, 11.

Wax , bees	....	....	....	....	....	....	lbs. 4 1/10
Wax , black	....	....	....	....	....	....	" 4 1/10

CHEST, TOOL, FILLED, No. 6A.
(Cooper's, General Service, except for Royal Engineers.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests , tool, empty, No. 6	1
Adzes , coopers' { notching	1
{ rounding	1
Axes , coopers'	1
Borers , bung	1
Chisels , hand, cold, 1 inch by 8½ inches	1
Chives , coopers' { 7¼-inch	1
{ 6¾ "	1
Compasses , wing, 12-inch	1 pairs
Drivers , coopers' { kneed	1
{ socket, iron	1
Files , saw, taper, 2nd cut single, 5½-inch	6
Froes (with handle)	1
Hammers { coopers', hand, 3½-lb.	1
{ riveting, 8-oz.	1
Howels , barrel	1
Irons , bick upon wood	1
Jiggers	1
Jointers , F.S.	1
Kulves { cramming	1
{ drawing, coopers'	1
{ notching	1
Pincers , carpenters'	1 pairs
Punches , coopers' { large	1
{ small	1
Rules , coopers'	1
Saws { compass	1
{ hand, 26-inch	1
Shaves , coopers' { inside { cask	1
{ pail....	1
{ outside cask	1
{ round....	1
Stocks { coopers'	1
{ croze { barrel	1
{ pail	1
Stones , oil, carpenters'	1
Vices , screw, iron	1
<i>Woolwich Section, 26.</i>	
Stones , rag	1

CHEST, TOOL, FILLED, No. 7.

(Farrier's and Shoeing Smith's, General Service.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests, tool, empty, No. 7	1
FORGE TOOLS.	
Chisels, farriers', handled	1
Cresses, farriers' (set of 2) { No. 1....	1
" 2....	1
Cutters, anvil { flat, smiths', 2-inch	1
half-round, farriers'	2
nail, farriers'	1
Fullers, farriers', handled	1
Hammers, farriers' { pointing	1
sledge, 9½-lb.	1
turning	1
Pokers, smiths'	1
Pritchels, farriers'	3
Slices, farriers'	1
Stakes, farriers'	1
Stamps, farriers'	2
Tongs, farriers' { fire	1
turning { large	1
medium	1
small	1
<i>Woolwich Section, 7.</i>	
SHOEING TOOLS.	
Aprons, basil, white	1
Bags, tool, farriers'	1
Buffers, farriers'	1
Hammers, farriers', shoeing	1
Knives { drawing, farriers'	2
searching, farriers'	1
Pincers, farriers'	1
Rasps, farriers', 16-inch*	2
Stones, rag, farriers'	1

* Renewable quarterly.

CHEST, TOOL, FILLED, No. 11A.
(Smith's, General Service.)

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests , tool, empty, No. 11	....	....	....	....	....	....	1
Braces , smiths'	....	....	....	....	....	....	1
Braces , smiths', bits	{	countersink, rose	....	....	....	....	1
		rimer {	half-round	....	....	....	1
			square	....	....	....	1
Callipers , 10-inch	....	....	....	....	....	pairs	1
Chisels	{	hand, cold	{ 1 inch × 8½ inches	....	....	....	2
			{ ¾ " × 8 "	....	....	....	2
		smiths'	cold	....	....	....	1
			hot	....	....	....	2
Compasses , wing, 10-inch	....	....	....	....	....	pairs	1
Drivers , screw, G.S.	{	14-inch	....	....	....	....	1
		6 "	....	....	....	....	1
Files , bastard	{	flat	....	{ 14-inch	....	....	10
			....	{ 10 "	....	....	6
			....	{ 8 "	....	....	4
		half-round	....	{ 14 "	....	....	4
			....	{ 10 "	....	....	4
			....	{ 12 "	....	....	4
		round	....	{ 8 "	....	....	2
			....	{ 16-inch	....	....	3
			....	{ 10-inch	....	....	2
		square	....	{ 8 "	....	....	2
			....	{ 12 "	....	....	1
			....	{ 7 "	....	....	1
Hammers	{	riveting,	24-oz.	....	....	....	1
			hand, 3-lb.	....	....	....	1
			smiths' setting	....	....	....	1
		smiths'	sledge, 10-lb.	....	....	....	1
			uphand, 7-lb.	....	....	....	1
		Handles, file	{ large	....	....	....	2
			{ small	....	....	....	4
Holdalls , smiths'	....	....	....	....	....	....	1
Pincers , carpenters'	....	....	....	....	....	pairs	1
Plates , screw, B.A. standard	....	....	....	....	....	....	1
Punches , smiths'	{	cold	....	....	....	....	2
			{ ½-inch	....	....	....	1
		hot	{ ½ "	....	....	....	1
			{ ¾ "	....	....	....	1
Rules , carpenters', common	....	....	....	....	....	....	1
Saws , cutting metal	{	10-inch	....	....	....	....	1
		blades, 10-inch (spare)	....	....	....	....	1
Spanners , McMahon, 15-inch	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 11A (Smith's, General Service)—*contd.*

Articles.						No.
Squares, smiths', iron	....	....	....	....	....	1
Stones, oil, smiths'	....	....	....	....	....	1
Tongs, smiths'	{ bolt....	....	....	....	.... pairs	1
		forebit	....	....	....	1
	{ forge, large	....	....	....	....	1
		hammer	....	....	....	1
		hollow bit	....	....	....	1
		plier	....	....	....	1
Tools, bow, drilling	{ bows, smiths'	....	....	....	....	1
		boxes	....	....	....	2
	{ breast-plates, smiths'		....	....	....	1
Tools, bow, drilling	{ drills	....	....	....	.... sets	1
		stocks	....	....	....	1
		strings, smiths'	....	....	.... knots	6
Vices, hand, 16-oz.	....	....	....	....	....	1

The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—

Woolwich Section, 7.

Chests, stocks and dies, Whitworth thread, 1½-inch to ¼-inch, filled, or	....	....	....	....	....	1
Tools, screw cutting, bolt and nut, Mark II, chests, filled*	{ "B" 1-inch to ¾-inch†					1
		{ "C" ½-inch to ⅝-inch†				1
Vices, standing, 36 lbs.						1

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Gen. No.
2075

* For details of contents of these chests, see pages 122 and 123.

† As "chests, stocks, and dies, Whitworth thread," become unserviceable, other sizes of "Tools, screw cutting," will be kept in No. 1 central shop, A.O.D.

CHEST, TOOL, FILLED, No. 11E.
(Carriage Smith's, R.A., Garrison.)

Articles.						No.
<i>Woolwich Section, 7.</i>						
Chest, tool, empty, No. 11	....	....	....	....	....	1
Aprons, basil, brown....	....	....	....	....	....	2
Graces, smiths'	....	....	....	....	....	1
Graces	{ smiths',	{ countersink, rose	....	....	....	1
			....	....	....	1
	{ bits	{ rimer { half-round	....	....	....	1
			....	....	....	1
	{ ratchet	{ 18-inch	....	....	....	1
			drills (No. 1 to 11), 1½-inch to ¼-inch	sets	1	1

Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*ccntd.*

Articles.								No.		
54	Callipers , 10-inch	....	....	....	....	....	pairs	1		
Engineers	{ hand, cold	{ 1 inch × 8½ inches		....	....	....	....	2		
347		{ ¾ inch × 8 inches....		....	....	....	....	2		
		Chisels	{ rivet-head						1	
	{ smiths'	{ cold	....	....	....	....	....	1		
			{ hot						2	
	Compasses , wing, 10-inch	....	....	....	....	....	pairs	1		
	Cutter , anvil, flat, smiths', 2-inch	....	....	....	....	....	....	1		
	Drivers , screw, G.S.	{ 14-inch	....	....	....	....	....	1		
			6	..					1	
	{ flat	{ 14-inch	....	....	....	....	....	10		
			{ 10	..					6	
			{ 8	..					4	
		{ half-round	{ 14-inch						4	
				{ 10	..					4
		{ round	{ 12-inch						4	
				{ 8	..					2
		{ rubbers, ½-inch thick, 16-inch							3	
			{ three-	{ 12-inch						1
		{ square	{ 7	..					1	
	{ 10			..					2	
	{ square	{ 8	..	....	....	....	....	2		
			{ warding	{ 5-inch						2
	cut on one side, 3½-inch		....	....	....	....	....	2		
	Flatters , smiths'	....	....	....	....	....	....	1		
	Fullers	{ bottom	....	....	....	....	....	1		
			{ top						1	
	Hammers	{ fitters'	{ 24-oz.	....	....	....	....	1		
				{ 32	..					1
		{ smiths'	{ hand, 3-lb.						1	
				{ setting						1
				{ sledge, 10-lb.						1
	uphand, 7-lb.		....	....	....	....	....	1		
	Handles , file	{ large	....	....	....	....	....	2		
			{ small						4	
			{ swan-neck						1	
	Holdalls , smiths'	....	....	....	....	....	....	1		
	Pincers , carpenters'	....	....	....	....	....	pairs	1		
	Plates , screw, B.A. standard	....	....	....	....	....	....	1		
	Pliers , side-cutting, 7-inch	....	....	....	....	....	pairs	1		
	Punches	{ centre 4½-inch	....	....	....	....	....	1		
			{ smiths'	{ cold					2	
					{ ½-inch					1
						{ ¾	..			
	Rods , smiths', iron	....	....	....	....	....	....	4		
	Rules , carpenters', common	....	....	....	....	....	....	1		
	Saws , cutting metal	{ 10 inch	....	....	....	....	....	1		
			blades, 10-inch						1	

Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*contd.*

Articles.							No.
Snaps	hand, riveting	$\frac{7}{16}$ -inch	....	....	....	....	1
		$\frac{3}{8}$ "	....	....	....	....	1
		$\frac{3}{16}$ "	....	....	....	....	2
		$\frac{1}{4}$ "	....	....	....	....	2
		$1\frac{1}{8}$ "	....	....	....	....	2
		$1\frac{1}{2}$ "	....	....	....	....	2
	$1\frac{1}{2}$ "	....	....	....	....	2	
	1 "	....	....	....	....	2	
	$\frac{7}{8}$ "	....	....	....	....	2	
	$\frac{3}{4}$ "	....	....	....	....	2	
	$\frac{3}{8}$ "	....	....	....	....	2	
	Spanners, McMahon's, 15-inch							1
Squares, smiths', iron							1
Stocks, drill, bevel wheel	{ bits	....	....	....	....	sets	1
Stones, oil, smiths' ....		....	....	....	....	....	1
Tongs, smiths'	bolt	....	....	....	....	pairs	1
	fore bit	....	....	....	....	"	1
	forge, large	....	....	....	....	"	1
	hammer	....	....	....	....	"	1
	hollow bit	....	....	....	....	"	1
	plier	....	....	....	....	"	1
Travellers							1
Vices, hand, 16-oz.							1

Woolwich Section, 27.

Cloths, sponge							4
-----------------------	------	------	------	------	------	------	---

Miscellaneous.

Handbook, military artificers'							1
---------------------------------------	------	------	------	------	------	------	---

The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for :—

Woolwich Section, 7.

Chests, stocks and dies, Whitworth thread, $1\frac{1}{8}$-inch to $\frac{1}{4}$-inch, filled or	....	....	....	....	....	....	1
Tools, screw cutting, bolt and nut, Mark II, chests, filled*	{ "B" 1 -inch to $\frac{5}{8}$ -inch†	....	....	....	....	....	1
	{ "C" $\frac{1}{2}$ -inch to $\frac{5}{16}$ -inch†	....	....	....	....	....	1

* For detail of contents of these chests see pages 122 and 123.

† As "chests, stocks, and dies, Whitworth thread," became unserviceable, other sizes of "Tools, screw-cutting," will be kept in No. 1 central shop A O.D.

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Chest, Tool, Filled, No. 11E (Carriage Smith's, &c.)—*contd.*

Articles.						No.		
DETAIL OF STOCKS AND DIES.								
Chests, stocks and dies, Whitworth thread	dies	{	1 $\frac{1}{8}$ -inch	....	sets	1		
			1	"	"	1		
			$\frac{7}{8}$	"	"	1		
			$\frac{3}{4}$	"	"	1		
			$\frac{5}{8}$	"	"	1		
			$\frac{1}{2}$	"	"	1		
			$\frac{7}{16}$	"	"	1		
			$\frac{3}{8}$	"	"	1		
			$\frac{5}{16}$	"	"	1		
			$\frac{1}{4}$ -inch	....	"	1		
	spanners	{	$\frac{7}{8}$ -inch	....	....	1		
			$\frac{3}{4}$	"	....	1		
			C	....	....	1		
	stocks	{	D	....	....	1		
				....	....	1		
	taps	{	1 $\frac{1}{8}$ -inch	{	plug		1	
					1st turn		1	
			1		2nd turn		1	
					plug		1	
			$\frac{7}{8}$		1st turn		1	
					2nd turn		1	
			$\frac{3}{4}$		plug		1	
					1st turn		1	
			$\frac{5}{8}$		2nd turn		1	
					plug		1	
			$\frac{1}{2}$		1st turn		1	
					2nd turn		1	
			$\frac{7}{16}$		plug		1	
					1st turn		1	
			$\frac{3}{8}$		2nd turn		1	
					plug		1	
			$\frac{5}{16}$		1st turn		1	
					2nd turn		1	
			$\frac{1}{4}$		plug		1	
					1st turn		1	
					2nd turn		1	
	wrenches	{	I	....	....	1		
			H	....	....	1		
			F	....	....	1		
			D	....	....	1		
Vice, standing, 80-lb., with iron bench*						1		

R.E. supply.

CHEST, TOOL, FILLED, No. 12A.

(Whitesmith's or Tinman's, General Service, except for Royal Engineers.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests , tool, empty, No. 12	1
Awls , scoring	1
Bellows , tinman's	1
Chisels , tinman's { 1-inch	1
{ $\frac{1}{4}$ "	1
Compasses , common, 7-inch	1
Files , bastard, flat, 12-inch	2
Groovers	1
Hammers , tinman's { creasing, 10-oz.	1
{ block, 3 lbs. 6 oz.	1
{ riveting, 16-oz.	1
Hooks , shave, 1 $\frac{1}{2}$ -inch	1
Irons { creasing, 11-lbs.	1
{ soldering, tinman's	2
Knives , laboratory	1
Mallets , tinman's	1
Pots , fire, tinman's	1
Rasps , fine, half-round, 12-inch	1
Shears , tinman's { scotch	1
{ stock	1
Squares , smiths', iron	1

CHEST, TOOL, FILLED, No. 13A.

(Painter's, General Service, except for Royal Engineers.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests , tool, empty, No. 13....	1
Brushes , sable, writing { crow, large	1
{ duck, large	1
{ goose { large	1
{ small	1
Cans , paint { 7 $\frac{1}{2}$ inches diameter....	1
{ 7 " "	1

Chest, Tool, Filled, No. 13A (Painter's, &c.)—*continued.*

Articles.							No.
Knives	{ palette, 9-inch....	....	....	....	....	....	1
		stopping	....	....	....	....	1
Pots, writing ....	....	....	....	....	....	....	1
<i>Woolwich Section, 25.</i>							
Brushes, paint	{	ground, 000	....	....	....	....	2
		unground, 000....	....	....	....	....	2
		sash tool {	No. 2	....	....	....	2
			„ 4	....	....	....	2
			„ 6	....	....	....	2

CHEST, TOOL, FILLED, No. 3c.

(Wheeler's and Saddletreemaker's, General Service, except for Royal Horse and Royal Field Artillery and Royal Engineers.)

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests, tool, empty, No. 3 ....	....	....	....	....	....	....	1
Adzes, carpenters'	{	heads....	....	....	....	....	1
		handles	....	....	....	....	1
Augers	{	1½-inch	....	....	....	....	1
		1¼ „	....	....	....	....	1
		1½ „	....	....	....	....	1
		1½ „	....	....	....	....	1
		1 „	....	....	....	....	1
		7/8 „	....	....	....	....	1
		¾ „	....	....	....	....	1
		5/8 „	....	....	....	....	1
		1/2 „	....	....	....	....	1
		18-inch	....	....	....	....	1
Awls	{	blades, brad ....	....	....	....	....	24
		handles, brad {	large	....	....	....	3
			small	....	....	....	3
Axes, wheelers', 7-lbs. ....	....	....	....	....	....	....	1
Bags, tool, carpenters' ....	....	....	....	....	....	....	1
Bars, crow, 2 feet 3 inches ....	....	....	....	....	....	....	1
Bevels, steel blade, 12-inch....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*continued.*

Articles.						No.
Braces, carpenters', with 24 bits*						1
Buzzes	{	$\frac{3}{8}$ -inch	....	....	....	1
		$\frac{1}{2}$ "	....	....	....	1
Chisels	{	boxing	....	{ large	....	1
			....	{ small	....	1
	{	firmer	....	$\frac{3}{8}$ -inch	....	1
			....	$\frac{1}{2}$ "	....	1
	{		....	$\frac{3}{8}$ "	....	1
			....	$1\frac{3}{8}$ -inch	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
	{		....	$1\frac{1}{2}$ "	....	1
			....	$1\frac{3}{4}$ "	....	1
Compasses	{	common, 7-inch	....	....	pairs	1
			....	....	....	1
	{	wing, 10 "	....	....	....	1
			....	....	....	1
Drivers, screw,	{	14-inch	....	....	....	1
			....	....	....	1
G.S.	{	6 "	....	....	....	1
			....	....	....	1
Files	{	bastard	{ half-round, 14-inch	....	....	2
			{ round, 14 "	....	....	1
	{	saw, taper, 2nd cut single	{ hand, $5\frac{1}{2}$ -inch	....	....	18
			{ tenon, 4 "	....	....	6
Gauges, carpenters'	{	marking	....	....	....	1
			....	....	....	1
	{	mortice	....	....	....	1
			....	....	....	1
	{	No. 1	....	....	....	2
			....	....	....	2
Gimlets	{	common	" 2	....	....	1
			" 3	....	....	1
	{		" 4	....	....	1
			" 5	....	....	1
	{		" 6	....	....	1
			" 6	....	....	1
Spike	{	$\frac{3}{8}$ -inch	....	....	....	2
			$\frac{1}{2}$ "	....	....	2

* Detail of bits:—

Braces, carpenters', bits	{	centre, $1\frac{1}{2}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, and $\frac{3}{16}$ -inch	....	....	....	7
			....	....	....	1
	{	countersink	{ flat	....	....	1
			{ rose	....	....	1
	{	dowling sash	....	....	....	1
			....	....	....	1
	{	gouge, $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, and $\frac{1}{2}$ -inch	....	....	....	6
			....	....	....	5
	{	nose, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{1}{2}$ -inch	....	....	....	1
			....	....	....	1
screwdriver...	{	rimer, square	....	....	....	1
			....	....	....	1
taper...	{	screwdriver...	....	....	....	1
			....	....	....	1

Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*contd.*

Articles.										No.
Gouges, handled	{	boxing	2-inch	....	....	....	....	....	1	
			1½ "	....	....	....	....	....	1	
		firmer	¾ "							1
			½ "							1
			⅜ "							1
Hammers	{	pecking, 1-inch	24-oz.	....	....	....	....	....	1	
			16 "							1
		riveting	saddleseat							1
			smiths', sledge, 10-lbs.							1
			wheelers', shoeing							1
Knives, drawing, carpenters'	....	....	....	....	....	....	....	1		
Lines, carpenters'	....	....	....	....	....	....	....	....	1	
Mallets, carpenters'	....	....	....	....	....	....	....	....	1	
Pencils, carpenters'	....	....	....	....	....	....	....	....	12	
Pincers, carpenters'	....	....	....	....	....	....	....	pairs	1	
Pins, drawbore	{	16-inch	....	....	....	....	....	....	1	
		12 "	....	....	....	....	....	....	2	
Planes	{	bead, ¾-inch	....	....	....	....	....	....	1	
		jack, double iron	....	....	....	....	....	....	1	
		plough	....	....	....	....	....	....	1	
		rabbet, skew	....	....	....	....	....	....	1	
		smoothing, G.S.	....	....	....	....	....	....	1	
Pots, glue, 1-pint	....	....	....	....	....	....	....	....	1	
Punches, carpenters'	{	large	....	....	....	....	....	....	1	
		small								1
Rasps, coarse, half-round, 12-inch	....	....	....	....	....	....	....	....	1	
Reels, carpenters' line	....	....	....	....	....	....	....	....	1	
Rules, carpenters', common	....	....	....	....	....	....	....	....	1	
Saws	{	compass	....	....	....	....	....	....	1	
		dovetail, brass back	....	....	....	....	....	....	1	
		frame, 15-inch	....	....	....	....	....	....	1	
		hand, 26-inch	....	....	....	....	....	....	1	
		tenon, 19-inch	....	....	....	....	....	....	1	
Screws, thumb	....	....	....	....	....	....	....	....	1	
Sets, saw	{	hand	....	....	....	....	....	....	1	
		pit								1
Shaves, spoke	{	4-inch	....	....	....	....	....	....	2	
		3½ "								2
Spanners, McMahon, 15-inch	....	....	....	....	....	....	....	....	1	
Squares	{	smiths', iron	....	....	....	....	....	....	1	
		carpenters'	9-inch							1
		4 "	....	....	....	....	....	....	1	
Stones, oil, carpenters'	....	....	....	....	....	....	....	....	1	
Vices	{	bench, saddletreemakers'	....	....	....	....	....	....	1	
		hand, 16 oz.								1
Woolwich Section, 11.										
Chalk, white (for line, carpenters)	....	....	....	....	....	....	....	lb.	4	

Chest, Tool, Filled, No. 3c (Wheeler's, &c.)—*contd.*

Articles.	No.
<i>Woolwich Section, 25.</i>	
Brushes, paint, sash tool, No. 6 (for glue)	1
<i>Woolwich Section, 26.</i>	
Stones, rag	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—	
<i>Woolwich Section, 7.</i>	
Sampsons*	1

* "Sampsons" are only issued when specially demanded.

CHESTS, STOCKS AND DIES, WHITWORTH THREAD.

$1\frac{1}{8}$ -inch to $\frac{1}{4}$ -inch.

Articles.	No.
Chests, empty, $1\frac{1}{8}$-inch to $\frac{1}{4}$-inch	1
{ $1\frac{1}{8}$ -inch sets	1
{ 1 " "	1
{ $\frac{7}{8}$ " "	1
{ $\frac{3}{4}$ " "	1
{ $\frac{5}{8}$ " "	1
{ $\frac{3}{8}$ " "	1
{ $\frac{1}{2}$ " "	1
{ $\frac{7}{16}$ " "	1
{ $\frac{1}{4}$ " "	1
{ $\frac{5}{16}$ " "	1
{ $\frac{1}{8}$ " "	1
Dies { $\frac{7}{8}$ -inch "	1
{ $\frac{3}{4}$ " "	1
Spanners { $\frac{7}{8}$ -inch "	1
{ $\frac{3}{4}$ " "	1
Stocks { D "	1
{ C "	1

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CHESTS, STOCKS AND DIES, WHITWORTH THREAD.
 $1\frac{1}{8}$ -inch to $\frac{1}{4}$ -inch—*continued*.

Articles.										No.
Taps	$1\frac{1}{8}$ -inch	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug "	....	....	....	....	....	....	....	1
	1 "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{7}{8}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{3}{4}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{5}{8}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{1}{2}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{7}{16}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{3}{8}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{5}{16}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
	$\frac{1}{4}$ "	1st turn	....	....	....	....	....	....	....	1
		2nd "	....	....	....	....	....	....	....	1
		plug	....	....	....	....	....	....	....	1
Wrenches	I.... H F D { .... .... .... .... .... .... .... .... .... ....	....	....	....	....	....	....	....	....	1
		....	....	....	....	....	....	....	....	1
		....	....	....	....	....	....	....	....	1
		....	....	....	....	....	....	....	....	1

CHESTS, STOCKS AND DIES, WHITWORTH THREAD.
1-inch to $\frac{3}{8}$ -inch.

Articles.										No.	
Chest, empty 1-inch to $\frac{3}{8}$-inch										1	
Dies	{	1-inch	sets							1	
		$\frac{7}{8}$ "								1	
		$\frac{3}{4}$ "								1	
		$\frac{5}{8}$ "								1	
		$\frac{1}{2}$ "								1	
		$\frac{7}{16}$ "								1	
		$\frac{3}{8}$ "								1	
Spanners	{	$\frac{1}{2}$ -inch								1	
Stocks	{	D								1	
		C								1	
Taps	{	1-inch	1st turn							1	
			2nd "								1
			plug								1
		$\frac{7}{8}$ "	1st turn								1
			2nd "								1
			plug								1
		$\frac{3}{4}$ "	1st turn								1
			2nd "								1
			plug								1
		$\frac{5}{8}$ "	1st turn								1
			2nd "								1
			plug								1
		$\frac{1}{2}$ "	1st turn								1
			2nd "								1
			plug								1
		$\frac{7}{16}$ "	1st turn								1
			2nd "								1
			plug								1
$\frac{3}{8}$ "	1st turn								1		
	2nd "								1		
	plug								1		
Wrenches	{	I								1	
		H								1	
		F								1	
		D								1	

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TOOLS, SCREW-CUTTING, B.A. STANDARD.
G.S.

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Articles.										No.
<i>Woolwich Section, 7.</i>										
Case (wood)										1
Dies (spring)	{	No. 0								1
		" 2								1
		" 4								1
		" 6								1
		" 8								1
		" 10								1
Drivers , screw										1
Guides (for dies, with 3 sets screws)	{	No. 0	....	....	....	....	....	....	....	1
		" 2	....	....	....	....	....	....	....	1
		" 4	....	....	....	....	....	....	....	1
		" 6	....	....	....	....	....	....	....	1
		" 8	....	....	....	....	....	....	....	1
		" 10	....	....	....	....	....	....	....	1
Plates , gauge,	{ full thread	(Nos. 0, 2, 4 6, 8, 10)	....	{	1					
(six holes)	{ screwing size					1				
Stocks (steel, with clamping screw)	....	....	....	....	....	2				
Taps	{ plug,	No. 0	....	....	....	....	....	....	....	1
		" 2	....	....	....	....	....	....	....	1
		" 4	....	....	....	....	....	....	....	1
		" 6	....	....	....	....	....	....	....	1
		" 8	....	....	....	....	....	....	....	1
	{ taper,	" 10	....	....	....	....	....	....	....	1
		No. 0	....	....	....	....	....	....	....	1
		" 2	....	....	....	....	....	....	....	1
		" 4	....	....	....	....	....	....	....	1
		" 6	....	....	....	....	....	....	....	1
Wrenches	{ large	" 8	....	....	....	....	....	....	....	1
		" 10	....	....	....	....	....	....	....	1
		medium	....	....	....	....	....	....	....	1
		....	....	....	....	....	....	....	....	1

CHESTS, TOOL, FILLED, SCREW-CUTTING, BOLT AND
NUT, MARK II, "A."

Whitworth Standard Thread.

Articles.										No.
Chest "A," empty, 1½-inch to 1½-inch										1
Dies , 4½-inch diameter, { 1½-inch threads										1
"A," (1 guide, with 4										1
chasers, 8 screws, and { 1½ " "										1
1 ring) ... { 1¼ " "										1
{ 1½ " "										1

CHESTS, TOOL, FILLED, SCREW-CUTTING, BOLT AND
NUT, MARK II, "A"—*continued*.
Whitworth Standard Thread—*continued*.

Articles.							No.	57 Gen. No. 2075				
Clip piece							1					
Drivers, screw, "A" (with $\frac{5}{16}$-inch end)							1					
Screws, die - setting, { chaser guide							16*					
"A" (for dies $4\frac{1}{2}$-inch { cheese-headed							8*					
diameter) { grub							8*					
Stocks, "A" (with 1 taper cotter, and clamp 48 inches long, for dies $4\frac{1}{2}$-inch diameter)							1					
Taps	$1\frac{1}{2}$ -inch	1st turn	(6 threads per inch)				1					
		2nd "					1					
		plug					1					
		1st turn					1					
		2nd "					1					
		plug					1					
	$1\frac{3}{8}$ "	1st turn					(7 " ")				1	
		2nd "									1	
	$1\frac{1}{4}$ "	plug	1									
		1st turn	1									
	$1\frac{1}{8}$ "	2nd "	1									
		plug	1									
	Wrenches, "A" (steel, 33 inches long, for taps $1\frac{1}{2}$-inch, $1\frac{3}{8}$-inch, $1\frac{1}{4}$-inch, and $1\frac{1}{8}$-inch)										1	

CHESTS, TOOL, FILLED, SCREW-CUTTING, BOLT AND
NUT, MARK II, "B."
Whitworth Standard Thread.

Articles.							No.
Chests, "B," empty, 1-inch to $\frac{5}{8}$-inch							1
Dies, $3\frac{1}{4}$-inch diameter, "B" (1 guide, with 4 chasers, 8 screws, and 1 ring)							
1-inch threads							1
$\frac{7}{8}$ "							1
$\frac{3}{4}$ "							1
$\frac{1}{2}$ "							1
Drivers, screw, "B" (with $\frac{1}{4}$-inch end)							1
Screws, die - setting, { chaser guide							16*
"B" (for dies $3\frac{1}{4}$-inch { cheese-headed							8*
diameter) { grub							8*
Stocks, "B" (with 2 spring clamps 30 inches long for dies $3\frac{1}{4}$-inch diameter)							1
Taps, 1-inch	1st turn	(8 threads per inch)					1
							1
							1

* Spare.

(Eq. R.)

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CHESTS, TOOL, FILLED, SCREW-CUTTING, BOLT AND NUT, MARK II. "B"—continued.
Whitworth Standard Thread—continued.

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Articles.										No.		
Taps	$\frac{7}{8}$ -inch	{	1st turn	{	(9 threads per inch)	{				1		
			2nd "							1		
			plug							1		
		$\frac{3}{4}$ "	{	1st turn	{	(10 " ")	{				1	
				2nd "							1	
				plug							1	
	$\frac{5}{8}$ "	{	1st turn	{	(11 " " )	{	....	....	....	1		
			2nd "				....	....	....	1		
			plug				....	....	....	1		
		Wrenches, "B" (steel, 24 inches long for taps, 1-inch, $\frac{7}{8}$ -inch, $\frac{3}{4}$ -inch, and $\frac{5}{8}$ -inch)										1

CHESTS, TOOL, SCREW-CUTTING, BOLT AND NUT, MARK II, "C."
Whitworth Standard Thread.

Articles.										No.
Chests "C," empty, $\frac{1}{2}$ -inch to $\frac{5}{16}$ -inch										1
Dies, $2\frac{5}{8}$ -inch diameter, { $\frac{1}{2}$ -inch threads										1
"C" (1 guide with 4 { $\frac{7}{16}$ " " "										1
chasers, 8 screws, and { $\frac{3}{8}$ " " "										1
1 ring) { $\frac{5}{16}$ " " "										1
Drivers, screw, die setting, "C" (with $\frac{3}{16}$ -inch end)										1
Screws, die - setting, { chaser guide										16*
"C" (for dies, $2\frac{5}{8}$ -inch { cheese-headed										8*
diameter) { grub										8*
Stocks, "C" (with 2 spring clamps, $20\frac{1}{4}$ inches long, for dies $2\frac{5}{8}$ -inch diameter)										1
Taps	$\frac{1}{2}$ -inch	{	1st turn	{	(12 threads per inch)	{	....	....	1	
			2nd "				....	....	1	
			plug				....	....	1	
	$\frac{7}{16}$ "	{	1st turn	{	(14 " " )	{	....	....	1	
			2nd "				....	....	1	
			plug				....	....	1	
	$\frac{3}{8}$ "	{	1st turn	{	(16 " " )	{	....	....	1	
			2nd "				....	....	1	
			plug				....	....	1	
	$\frac{5}{16}$ "	{	1st turn	{	(18 " " )	{	....	....	1	
			2nd "				....	....	1	
			plug				....	....	1	
Wrenches, "C" (steel, 10 inches long, for taps, $\frac{1}{2}$ -inch, $\frac{7}{16}$ -inch, $\frac{3}{8}$ -inch, and $\frac{5}{16}$ -inch)										1

* Spare.

CHESTS, TOOL, FILLED, SCREW-CUTTING, BOLT AND NUT, MARK II, "D."

Whitworth Standard Thread.

Articles.										No.	Gen. No.	
											2075	
Chests , "D," empty, $\frac{1}{4}$ -inch to $\frac{1}{8}$ -inch										1		
Dies , $1\frac{1}{8}$ -inch diameter, "D" { $\frac{1}{4}$ -inch threads										1		
(1 guide, with 4 chasers, { $\frac{3}{16}$ " ,										1		
8 screws, and 1 ring, { $\frac{1}{8}$ " ,										1		
Drivers , screw, "D," with $\frac{1}{8}$ -inch end										1		
Screws , die-setting, "D" (for { chaser guide										12*		
dies $1\frac{1}{8}$ -inch diameter) { cheese-headed										6*		
..... { grub										6*		
Stocks , "D" (with 2 spring clamps 16 inches long, for dies												
$1\frac{1}{8}$ -inch diameter)										1		
Taps	$\frac{1}{4}$ -inch	{ 1st turn	{ (20 threads per inch)	{	.....	.....	.....	1				
								1				
								1				
	$\frac{1}{8}$ " ,	{ 1st turn	{ (24 " " )	{	.....	.....	.....	1				
								1				
								1				
	$\frac{1}{8}$ " ,	{ 1st turn	{ (40 " " )	{	.....	.....	.....	1				
								1				
								1				
	Wrenches , "D" (steel, 6 inches long, for taps $\frac{1}{4}$ -inch, $\frac{3}{16}$ -inch, and $\frac{1}{8}$ -inch)										1	

CHESTS, TOOL, FILLED, SCREW-CUTTING, IRON AND STEEL TUBE, MARK II.

Whitworth Gas Threads.

Articles.							No.
Chest , empty, $1\frac{1}{2}$ -inch to $\frac{1}{4}$ -inch							1
Dies (in 2 parts marked "top" and "bottom" forming a set)	{	$1\frac{1}{2}$ -inch	....	....	....	....	1
		$1\frac{1}{4}$ "	....	....	....	....	1
		1 "	....	....	....	....	1
		$\frac{3}{4}$ "	....	....	....	....	1
		$\frac{1}{2}$ "	....	....	....	....	1
		$\frac{3}{8}$ "	....	....	....	....	1
		$\frac{1}{4}$ "	....	....	....	....	1
		$\frac{3}{16}$ "	....	....	....	....	1
		$\frac{1}{8}$ "	....	....	....	....	1
		$\frac{1}{16}$ "	....	....	....	....	1
Stocks ,	{	large (for $1\frac{1}{2}$ -inch, $1\frac{1}{4}$ -inch, and 1-inch dies)	....	....	....	....	1
		small (for $\frac{3}{4}$ -inch to $\frac{1}{4}$ -inch dies)	....	....	....	....	1
* Spare.							

* Spare.

CHEST, TOOL, FILLED, SCREW-CUTTING, IRON AND
STEEL TUBE, MARK II—*continued*.Whitworth Gas Threads—*continued*.

57 Gen. No. 2375	Articles.	No.	
Taps	$1\frac{1}{2}$ -inch { 1st turn plug	1	
	$1\frac{1}{4}$ " { 1st turn plug	1	
	1 " { 1st turn plug	1	
	$\frac{3}{4}$ " { 1st turn plug	1	
	$\frac{5}{8}$ " { 1st turn plug	1	
	$\frac{1}{2}$ " { 1st turn plug	1	
	$\frac{3}{8}$ " { 1st turn plug	1	
	$\frac{1}{4}$ " { 1st turn plug	1	
	(The 1st turn taps are taper, the plug taps are parallel)		1
	Tommyies	{ 9-inch (for screwing up large stock) 6 " " " " " small " "	1 1
Wrenches	{ large (for $1\frac{1}{2}$ -inch, $1\frac{1}{4}$ -inch, and 1-inch taps) small (for $\frac{3}{4}$ -inch to $\frac{1}{4}$ -inch taps)	1 1	

CHESTS, TOOL, FILLED, SCREW CUTTING, BRASS
AND COPPER TUBE, MARK I.

Articles.	No.
Chest, empty, $\frac{3}{4}$-inch to $\frac{1}{4}$-inch	1
Dies (solid circular)	1
$\frac{3}{4}$ -inch { $\frac{5}{8}$ " { (for large stock) $\frac{1}{2}$ " { $\frac{7}{16}$ " { $\frac{3}{8}$ " { (for small stock) $\frac{5}{16}$ " { $\frac{1}{4}$ " {	1 1 1 1 1 1 1
Guides	$\frac{3}{4}$ -inch $\frac{5}{8}$ " $\frac{1}{2}$ " $\frac{7}{16}$ " $\frac{3}{8}$ " $\frac{5}{16}$ " $\frac{1}{4}$ "
Stocks	{ large (for $\frac{3}{4}$ -inch, $\frac{5}{8}$ -inch, and $\frac{1}{2}$ -inch dies) 1 { small (for $\frac{7}{16}$ -inch, $\frac{3}{8}$ -inch, $\frac{5}{16}$ -inch, and $\frac{1}{4}$ -inch dies) 1

**CHESTS, TOOL, FILLED. SCREW-CUTTING, BRASS
AND COPPER TUBE, MARK I—continued.**

Articles.				No.	
Taps (26 threads per inch)	$\frac{3}{4}$ -inch	{ 1st turn plug	(the 1st turn are taper, the plug taps are parallel)	1	57 Gen. No. 2075
	$\frac{5}{8}$ "	{ 1st turn plug		1	
	$\frac{1}{2}$ "	{ 1st turn p'ug		1	
	$\frac{7}{16}$ "	{ 1st turn plug		1	
	$\frac{3}{8}$ "	{ 1st turn plug		1	
	$\frac{5}{16}$ "	{ 1st turn plug		1	
	$\frac{1}{4}$ "	{ 1st turn plug		1	
				1	
				1	
				1	
Wrenches	{ large (for taps, $\frac{3}{4}$ -inch and $\frac{5}{8}$ -inch)....			1	
	{ medium (for taps, $\frac{1}{2}$ -inch and $\frac{7}{16}$ -inch)			1	
	{ small (for taps, $\frac{3}{8}$ -inch, $\frac{1}{4}$ -inch, and $\frac{1}{8}$ -inch)			1	

TOOLS FOR MILITARY WORKSHOPS.

(Referred to in paragraph 275.)

CHEST, TOOL, FILLED, No. 1B.

(Bricklayer's and Mason's, Regimental.)

Packed in Two No. 1 Chests, and forming One Set.

Articles.				No.
<i>Woolwich Section, 2.</i>				
Bars , crow, 3 feet 6 inches ....	....	....	....	1
Shovels , G.S. ....	....	....	....	2
<i>Woolwich Section, 7.</i>				
Chests , tool, empty, No. 1 ....	....	....	....	2
<i>(BRICKLAYER'S TOOLS.)</i>				
Axes , brick ....	....	....	....	2
Bevels , brass blade ....	....	....	....	2
Chisels {	brick { 24-inch	....	....	2
	18 "	....	....	2
	12 "	....	....	2
	masons', 2 $\frac{1}{4}$ -inch	....	....	2

Chest, Tool, Filled, No. 1B (Bricklayer's and Mason's)—*contd.*

Articles.										No.
Hammers , brick	....	....	....	....	....	....	....	....	3	
Lines , bricklayers'	....	....	....	....	....	....	....	....	2	
Pins , line	....	....	....	....	....	....	....	pairs	2	
Rules {	carpenters', common	....	....	....	....	....	....	....	2	
	masons', plumb	....	....	....	....	....	....	....	2	
Trowels {	bricklayers', pointing	{ cross joint		....	....	....	....	....	1	
		{ tuck		....	....	....	....	....	1	
	plasterers', set	....	....	....	....	....	....	....	2	
(MASON'S TOOLS.)										
<i>Woolwich Section, 7.</i>										
Bars , setting	....	....	....	....	....	....	....	....	2	
Bevels , wood blade, 12-inch	....	....	....	....	....	....	....	....	1	
Chisels , masons' {	2½-inch	....	....	....	....	....	....	....	2	
	2 ,,	....	....	....	....	....	....	....	3	
	1½ ,,	....	....	....	....	....	....	....	2	
	1¼ ,,	....	....	....	....	....	....	....	2	
	ribbing	....	....	....	....	....	....	....	1	
Hammers , masons' {	double pick	{ 8-lbs.		....	....	....	....	....	1	
		{ 4 ,,		....	....	....	....	....	1	
	mash	....	....	....	....	....	....	....	1	
	spalling, 4-lbs.	....	....	....	....	....	....	....	1	
Lines , bricklayers'	....	....	....	....	....	....	....	....	1	
Mallets , masons'	....	....	....	....	....	....	....	....	1	
Pins , line	....	....	....	....	....	....	....	pairs	1	
Points , masons'	....	....	....	....	....	....	....	....	6	
Rules {	carpenters', common	....	....	....	....	....	....	....	1	
	masons', plumb	....	....	....	....	....	....	....	1	
Trowels , masons'	....	....	....	....	....	....	....	....	2	
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for:—										
(BRICKLAYER'S TOOLS.)										
<i>Woolwich Section, 7.</i>										
Hods , mortar	....	....	....	....	....	....	....	....	2	
Levels , wood, 5 feet	....	....	....	....	....	....	....	....	2	
Sieves , masons'	....	....	....	....	....	....	....	....	1	
Squares , masons'	....	....	....	....	....	....	....	....	2	
(MASON'S TOOLS.)										
Levels , wood, 10 feet	....	....	....	....	....	....	....	....	1	
Squares , masons'	....	....	....	....	....	....	....	....	1	

CHEST, TOOL, FILLED, No. 3B.
(Carpenter's, Regimental.)

Packed in Three No. 3 Chests, and forming One Set.

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests , tool, empty, No. 3	....	....	....	....	....	....	3
Adzes , carpenters'	handles	....	....	....	....	....	2
	heads	....	....	....	....	....	2
Augers	shell	$1\frac{1}{2}$ -inch	....	....	....	....	1
		$1\frac{1}{4}$ "	....	....	....	....	1
		$\frac{7}{8}$ "	....	....	....	....	1
		$\frac{3}{4}$ "	....	....	....	....	1
		$\frac{5}{8}$ "	....	....	....	....	1
		$\frac{1}{2}$ "	....	....	....	....	1
		18 "	....	....	....	....	1
		16 "	....	....	....	....	1
	handles	$13\frac{1}{2}$ "	....	....	....	....	1
		12 "	....	....	....	....	1
Awls	blades, brad	....	....	....	....	....	12
	handles, brad	large	....	....	....	....	6
		small	....	....	....	....	6
Axes	carpenters', 6 $\frac{1}{2}$ -lb.	....	....	....	....	....	3
	hand, 3-lb.	....	....	....	....	....	3
Bags , tool, carpenters'	....	....	....	....	....	....	3
Bevels , steel blade, 12-inch	....	....	....	....	....	....	3
Braces , carpenters', with 24 bits*	....	....	....	....	....	....	2
Chisels	firmer	$1\frac{1}{2}$ -inch	....	....	....	....	2
		$1\frac{3}{4}$ "	....	....	....	....	2
		$1\frac{1}{4}$ "	....	....	....	....	2
		1 "	....	....	....	....	2
		$\frac{3}{4}$ "	....	....	....	....	2
		$\frac{1}{2}$ "	....	....	....	....	2
		$\frac{3}{8}$ "	....	....	....	....	2
		$\frac{1}{4}$ "	....	....	....	....	2
		$\frac{3}{16}$ "	....	....	....	....	2
		$\frac{1}{8}$ "	....	....	....	....	2
	hand, cold	$\frac{3}{4}$ " × 8 inches	....	....	....	....	3
		1 " × 8 $\frac{1}{2}$ "	....	....	....	....	3
		$\frac{1}{2}$ "	....	....	....	....	3
	mortice	$\frac{3}{8}$ "	....	....	....	....	3
		$\frac{1}{4}$ "	....	....	....	....	3

* Detail of bits:—

Braces , carpenters', bits	centre, $1\frac{1}{2}$, 1, $\frac{7}{8}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{1}{2}$, and $\frac{3}{8}$ -inch	....	....	....	....	....	7
	countersink { flat	....	....	....	....	....	1
	{ rose	....	....	....	....	....	1
	dowling sash...	....	....	....	....	....	1
	gouge, $\frac{7}{16}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, and $1\frac{1}{2}$ -inch	....	....	....	....	....	6
	nose, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, 1 , $1\frac{1}{4}$, and $1\frac{1}{2}$ -inch	....	....	....	....	....	5
	rimmer, square	....	....	....	....	....	1
	screwdriver	....	....	....	....	....	1
	taper	....	....	....	....	....	1
							24

Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued.*

Articles.										No.		
Chisels, socket	{	1½-inch	....	....	....	....	....	....	2			
		1	„	....	....	....	....	....	2			
		¾	„	....	....	....	....	....	2			
Compasses, common,		7-inch	....	....	....	....	....	pairs	3			
Drivers, screw, G.S.	{	14-inch	....	....	....	....	....	....	3			
		6	„	....	....	....	....	....	3			
Files	{	bastard	{	flat, 14-inch	....	....	....	....	3			
				half-round	{	14-inch	....	....	....	....	3	
					10	„	....	....	....	....	3	
		round, 14-inch	{	....	....	....	....	....	3			
			5½-inch	....	....	....	....	....	....	3		
{	saw, taper, 2nd cut single	{	4	„	....	....	....	....	3			
				„	....	....	....	....	....	1		
Gauges, carpenters'	{	cutting	....	....	....	....	....	....	2			
		marking	....	....	....	....	....	....	....	3		
		mortice	....	....	....	....	....	....	....	1		
Gimlets	{	common	{	No. 1	....	....	....	....	....	1		
				„ 2	....	....	....	....	....	....	1	
				„ 3	....	....	....	....	....	....	1	
				„ 4	....	....	....	....	....	....	1	
				„ 5	....	....	....	....	....	....	1	
				„ 6	....	....	....	....	....	....	1	
		spike	{	¾-inch	....	....	....	....	....	....	6	
				½	„							6
Gouges, handled	{	firmer	{	1-inch	....	....	....	....	....	3		
				¾	„							3
				½	„							3
		pecking, 1-inch	....	....	....	....	....	....	....	2		
Hammers	{	claw	{	28-oz.	....	....	....	....	....	2		
				20	„							1
		riveting	{	24-oz.	....	....	....	....	....	....	1	
				8	„							2
Lines, carpenters'		....	....	....	....	....	....	....	3			
Mallets, carpenters'		....	....	....	....	....	....	....	3			
Pencils, carpenters'		....	....	....	....	....	....	....	9			
Pincers, carpenters'		....	....	....	....	....	....	....	pairs	3		
Planes	{	bead, ¾-inch	....	....	....	....	....	....	....	2		
		hollows and rounds	....	....	....	....	....	....	....	pairs	2	
		jack, double iron	....	....	....	....	....	....	....	....	3	
		phillister, sash	....	....	....	....	....	....	....	....	2	
		plough	....	....	....	....	....	....	....	....	1	
		smoothing, G.S.	....	....	....	....	....	....	....	....	3	
Pliers	{	trying	....	....	....	....	....	....	....	2		
		flat nose	....	....	....	....	....	....	....	pairs	2	
		side cutting, 7-inch	....	....	....	....	....	....	....	„	1	
Pots, glue, 1-quart		....	....	....	....	....	....	....	....	1		
Punches, carpenters'	{	large	....	....	....	....	....	....	....	3		
		small	....	....	....	....	....	....	....	....	3	
Rasps, coarse	{	flat, 12-inch	....	....	....	....	....	....	....	2		
		half-round, 12-inch	....	....	....	....	....	....	....	....	1	

Chest, Tool, Filled, No. 3B (Carpenter's, Regimental)—*continued*.

Articles.							No.
Reels, carpenters' line	....	....	....	....	....	....	3
Rules, carpenters', common	....	....	....	....	....	....	3
Saws	{	dovetail, brass back	....	....	....	....	2
		frame, 15-inch	....	....	....	....	2
		hand, 26-inch	....	....	....	....	3
		keyhole	....	....	....	....	3
		tenon, 14-inch	....	....	....	....	3
Sets, saw, hand	....	....	....	....	....	....	3
Shaves, spoke	{	4-inch	....	....	....	....	2
		3½-inch	....	....	....	....	2
Spanners, McMahon, 15-inch	....	....	....	....	....	....	2
Squares, carpenters'	{	12-inch	....	....	....	....	3
		9	....	....	....	....	3
Stones, oil, carpenters'	....	....	....	....	....	....	3
Woolwich Section, 11.							
Chalk, white	....	....	....	....	....	lb.	¾
Woolwich Section, 25.							
Brushes, paint, sash tool, No. 6	....	....	....	....	....	....	2
The undermentioned is not carried in the Chest, and will be separately demanded, charged, and accounted for:—							
Woolwich Section, 7.							
Grindstones, F. S., 18-inch	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 6B.
(Cooper's, Regimental.)

Articles.	No.
<i>Woolwich Section, 7.</i>	
Chests, tool, empty, No. 6	1
Adzes, coopers', notching	1
Chisels, hand, cold, 1-inch x 8½ inches	1
Compasses, wing, 12-inch	1
Drivers, coopers', kneed	1
Froes (with handle)	1
Hammers { coopers', hand, 3½-lbs.	1
{ riveting, 8-oz.	1
Howels, barrel	1
Jointers, F. S.	1

Chest, Tool, Filled, No. 6B (Cooper's, Regimental)—*continued.*

Articles.							No.
Knives	{ drawing, coopers	....	....	....	....	....	1
	{ hollowing	....	....	....	....	....	1
Pincers , carpenters'	....	....	....	....	....	pairs	1
Planes , jack, double iron	....	....	....	....	....	....	1
Punches , coopers', large	....	....	....	....	....	....	1
Rules , coopers'	....	....	....	....	....	....	1
Saws , hand, 26-inch	....	....	....	....	....	....	1
Shaves , coopers', inside, cask	....	....	....	....	....	....	1
Stocks , coopers'	....	....	....	....	....	....	1
Stones , oil, carpenters'	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 12D.

(Plumber's, Painter's, and Glazier's, Regimental.)

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests , tool, empty, No. 12	....	....	....	....	....	....	1
Bosses , plumbers'	{ 5-inch	....	....	....	....	....	1
	{ 3½ "	....	....	....	....	....	1
	{ 2½ "	....	....	....	....	....	1
Cans , paint	{ 7½ inches diameter	....	....	....	....	....	1
	{ 7 "	....	....	....	....	....	1
Chisels , smiths', cold	....	....	....	....	....	....	1
Compasses , wing, 10-inch	....	....	....	....	....	pairs	1
Diamonds , glaziers'	....	....	....	....	....	....	1
Dressers , plumbers'	....	....	....	....	....	....	1
Hammers , { 28-oz.	....	....	....	....	....	....	1
claw { 14-oz.	....	....	....	....	....	....	1
Hooks , shave, 1½-inch	....	....	....	....	....	....	1
Irons , soldering, plumbers'	{ 4-lb.	....	....	....	....	....	1
	{ 1½ "	....	....	....	....	....	1
Knives , { cutting	....	....	....	....	....	....	1
	{ hacking	....	....	....	....	....	1
	{ palette, 9-inch	....	....	....	....	....	1
	{ stopping	....	....	....	....	....	1
Ladles , melting, 1-pint	....	....	....	....	....	....	1
Mallets , plumbers'	....	....	....	....	....	....	1
Pipes , blow, 12-inch	....	....	....	....	....	....	1
Pliers { gas, 6-inch	....	....	....	....	....	pairs	1
	{ round-nose	....	....	....	....	"	1

Chest, Tool, Filled, No. 12D (Plumber's, Painter's, &c.)—*contd.*

Articles.										No.
<i>Woolwich Section, 11.</i>										
Pots, melting ....	....	....	....	....	....	....	....	....	....	1
Rules, glaziers' {	2-ft.	....	....	....	....	....	....	....	....	1
	T, 2-ft. 6-in.	....	....	....	....	....	....	....	....	1
Squares, smiths' {	iron	....	....	....	....	....	....	....	....	1
	2-inch	....	....	....	....	....	....	....	pairs	1
Tongs, gas fitters' {	1½ "	....	....	....	....	....	....	....	"	1
	1 "	....	....	....	....	....	....	....	"	1
	¾ "	....	....	....	....	....	....	....	"	1
	½ "	....	....	....	....	....	....	....	"	1
<i>Woolwich Section, 25</i>										
Bottles, tin, oil, with screw top, 2 quarts ....	....	....	....	....	....	....	....	....	....	3
Brushes, {	ground, 000	....	....	....	....	....	....	....	....	3
	sash tool {	No. 2	....	....	....	....	....	....	....	1
		" 4	....	....	....	....	....	....	....	1
		" 6	....	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 11D.
(Smith's, Regimental.)

Articles.										No.
<i>Woolwich Section, 7.</i>										
Chests, tool, empty, No. 11 ....	....	....	....	....	....	....	....	....	....	1
Aprons, basil, white ....	....	....	....	....	....	....	....	....	....	2
Bags, tool, farriers' ...	....	....	....	....	....	....	....	....	....	1
Braces, smiths' {	bits {	countersink {	flat	....	....	....	....	....	....	1
			rose	....	....	....	....	....	....	1
		rimer {	half-round	....	....	....	....	....	....	1
			square	....	....	....	....	....	....	1
			....	....	....	....	....	....	....	1
Callipers, 10-inch ....	....	....	....	....	....	....	....	....	pairs	1
Chisels {	farriers', handled	....	....	....	....	....	....	....	....	2
		smiths', cold	....	....	....	....	....	....	....	4
Compasses, wing, 10-inch ....	....	....	....	....	....	....	....	....	pairs	1
Drivers, screw, G.S. {	14-inch	....	....	....	....	....	....	....	....	1
		6 "	....	....	....	....	....	....	....	1
Files, bastard {	flat {	14-inch	....	....	....	....	....	....	....	1
		10 "	....	....	....	....	....	....	....	1
		8 "	....	....	....	....	....	....	....	1
		14 "	....	....	....	....	....	....	....	1
		10 "	....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 11D (Smith's, Regimental)—*continued*.

Articles.										No.		
Files, bastard	{	round	{	12-inch	....	....	....	....	1			
				8	....	....	....	....	1			
				rubbers, $\frac{1}{4}$ -thick, 16-inch	....	....	....	....	1			
				square	{	10-inch					1	
						8					1	
				three-square	{	12					1	
						7					1	
warding	{	5	....	....	....	....	2					
		cut on one side, $3\frac{1}{2}$ -inch		....	....	....	....	2				
Hammers	{	farriers'	{	pointing	....	....	....	....	1			
				shoeing	....	....	....	....	1			
				sledge, $9\frac{1}{2}$ -lbs.	....	....	....	....	2			
	{	smiths', hand, 3-lbs.	....	....	....	....	....	2				
Handles, file, middling	....	....	....	....	....	....	....	....	16			
Knives	{	drawing, farriers'	....	....	....	....	....	....	1			
			searching	....	....	....	....	....	1			
Pincers, farriers'	....	....	....	....	....	....	....	pairs	1			
Pliers, flat nose	....	....	....	....	....	....	....	....	1			
Pokers, smiths'	....	....	....	....	....	....	....	....	1			
Punches, smiths'	{	cold	{	....	....	....	....	....	3			
										1		
				hot	{	$\frac{3}{8}$ -inch						1
						$\frac{1}{2}$ "						1
				$\frac{3}{8}$ "	....	....	....	....	1			
Rasps, farriers', 16-inch	....	....	....	....	....	....	....	....	1			
Saws, cutting metal, 10-inch	....	....	....	....	....	....	....	....	1			
Slices, farriers'	....	....	....	....	....	....	....	....	1			
Spanners, McMahon, 15-inch	....	....	....	....	....	....	....	....	1			
Stakes, farriers'	....	....	....	....	....	....	....	....	2			
Stamps, farriers', handled	....	....	....	....	....	....	....	....	1			
Tongs	{	farriers', turning, small	{	....	....	....	....	pairs	1			
				smiths', forge	{	large					1	
						small						1
Tools, bow, drilling	{	bows, smiths'	{	....	....	....	....	....	1			
				boxes						1		
				breast-plates, smiths'						1		
				drills						sets	2	
				stocks							1	
				strings, smiths'	....	....	....	knots	1			
Vices, hand, 16-oz.	....	....	....	....	....	....	....	....	1			

N.B.—Anvils, bellows, and standing vices, being fixtures, are a part of the building.

CHEST, TOOL, FILLED, No. 12c.
(Whitesmith's or Tinman's, Regimental.)

Articles.							No.
<i>Woolwich Section, 7.</i>							
Chests , tool, empty, No. 12 ....	....	....	....	....	....	....	1
Awls , scoring ....	....	....	....	....	....	....	1
Chisels , tinman's { 1-inch ....	....	....	....	....	....	....	1
	{ 1/4 " ....	....	....	....	....	....	1
Compasses , common, 7-inch ....	....	....	....	....	....	pairs	1
Files , bastard, flat, 12-inch ....	....	....	....	....	....	....	2
Groovers ....	....	....	....	....	....	....	1
Hammers , tinman's { creasing, 10-oz. ....	....	....	....	....	....	....	1
	{ riveting, 16-oz. ....	....	....	....	....	....	1
Hooks , shave, 1 1/2-inch ....	....	....	....	....	....	....	1
Irons { creasing, 11-lbs. ....	....	....	....	....	....	....	1
	{ soldering, tinman's ....	....	....	....	....	....	2
Knives , laboratory ....	....	....	....	....	....	....	1
Mallets , tinman's ....	....	....	....	....	....	....	1
Pots , fire, tinman's ....	....	....	....	....	....	....	1
Rasps , fine, half-round, 12-inch ....	....	....	....	....	....	....	1
Shears , tinman's, stock ....	....	....	....	....	....	pairs	1
Squares , smith's, iron ....	....	....	....	....	....	....	1

APPENDIX VI.

(Referred to in paragraph 243.)

CAMP EQUIPMENT.

Proportions for all Services. Standing Camps:

TABLE 1.	Proportion.
<i>Woolwich Section, 2.</i>	
A.—CAMP EQUIPMENT.	
Axes { felling, curved helve hand, 2 lb. 2 oz.	{ 10 per regiment of cavalry and bat- talion of infantry, 4 per staff or other unit.
Bags , letter, field	1 per office of staff units.
Boxes , stationery, field	1 per office (for staff units only).
57 Buckets , water, G.S., canvas	1 per 2 horses.
Salisbury.	1 per G.O.C.
382 Chairs , camp	1 per 8 mounted N.C.O. and men or less.
Cords , torage	1 per set of saddlery or single set of harness, 2 per double set of harness.
Covers , saddle	As required.
Flags , distinguishing	10 per regiment of cavalry, 20 per battalion of infantry, 4 per other unit.
Hooks , bill	1 per 8 N.C.O. and men.
Kettles , camp, oval, 12 quarts	1 per office tent (staff units only).
Lamps , candle	As required.
{ distinguishing folding	20 per regiment of cavalry, 4 per battalion of infantry, 2 per staff, 2 per other mounted unit, and 1 per other dismounted unit. 1 per tent may be issued, under authority of the General Officer Commanding in countries where there is no twilight.
57	1 per 3 officers' horses, 1 per 8 other horses.
Gen. No.	4 per squadron of cavalry or other mounted unit, 1 per battalion of infantry.
3493	1 per horse, if specially required. 2 per regiment of cavalry, or bat- talion of infantry, and 1 per other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days.)
Lanterns , tent	1 per horse, plus 15 per cent. spare.
Mallets , heel peg and small picket	6 per 80 ft. picketing rope.
Mauls , G.S.	1 per N.C.O. and men's tent.
Nets , hay	
Ovens , Aldershot pattern, com- plete	
Pegs , picketing, with rope loop	
8 Posts , picket, 2½ feet	
Equipment.	
9 Racks , arm, tent	

Camp Equipment—continued.

Table 1—continued.				Proportion.
Ropes	{	head, hemp, with ring ....	....	1 per horse.
		heel ....	....	85 per cent. of the number of horses, and 20 per cent. spare
		picketing, 80 ft. ....	....	1 per 10 horses.
Rugs, horse	{	large ....	....	1 per public service horse of household and heavy cavalry, R.E., R.A., A.S. Corps, and Military Mounted Police; and for other units in the proportion of 10 per cent. number of horses.
		small ....	....	For 90 per cent. of public service horses of units not in possession of full proportion of large rugs.
Screens, latrine†		....	....	1 for officers, 1 for N.C.O.'s, and 1 per company or squadron.
Sheets, ground (waterproof) ‡		....	....	8 per tent, or 1 for each man in tents occupied by a less number than 8.
Stools, camp		....	....	1 per office tent (staff units only).
Stoves, Soyer's		....	....	4 per regiment of cavalry or battalion of infantry and 1 per other unit. <i>To be issued only when coal is the fuel used.</i>
Tables, camp	{	....	....	1 per general officer.
		circular, double, linen	....	1 per general officer.
		circular, single, linen	{	1 per field officer, 1 per 2 other officers, 1 per 12 N.C.O.'s and men, dismounted, 1 per 10 N.C.O. and men, mounted units, 30 miscellaneous per regiment, and 1 per two squadrons for squadron serjeant-major and squadron quartermaster-serjeant for cavalry, 12 miscellaneous for other mounted units, 16 miscellaneous per battalion of infantry, and 5 for other dismounted units. For staff, 1 per officer, 1 per two servants, 1 per staff office, and 3 miscellaneous.
				1 for recreation room per regiment of cavalry or battalion of infantry.
				1 per staff unit, 3 per 2 other units if number of members of officers' mess does not exceed 12.
				1 per serjeants' mess per regiment of cavalry, or battalion of infantry.
Tents, complete,	{	marquee, hospital....	{	
		store		

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† 1 extra service may be issued for bathing places if considered desirable.

‡ When tent bottoms are not supplied.

Camp Equipment—*continued.*

Table 1— <i>continued.</i>		Proportion.
Tubs, washing, 3½ gals		1 per staff serjeants tent and 2 per tent for other N.C.O. and men.
C.—TOOLS, &C., FOR INTRENCHING.		
Axes, pick, { heads, 4½ lb. { helves, 36-inch fer- ruled		10 per regiment of cavalry and battalion of infantry, 4 per staff or other unit.
⁵⁴ Gen. No. 9462	Barrows, wheel intrenching with wheels	16 per regiment of cavalry, 3 per other mounted unit.
	Bars, crow	4 per regiment of cavalry and battalion of infantry, 1 per staff or other unit.
¹⁰⁴⁴³ L. of C.	Shovels, G.S. §	16 per regiment of cavalry, 10 per battalion of infantry, 5 per other mounted unit, 3 per other dismounted unit.
⁵⁴ Gen. No. 9462	Spades, N.P. †§	10 per regiment of cavalry or battalion of infantry, 5 per other mounted unit and 3 per other dismounted unit.
Woolwich Section, 4.		
Carts { small arm, ammunition		1 per regiment of cavalry or battalion of infantry if required.
{ water		As required—unless water is laid on to the cooking places on the camp ground when 1 per regiment of cavalry, 2 per battalion of infantry, 1 per staff or other unit only will be supplied.
Woolwich Section, 5.		
	Forges, packsaddle*	2 per regiment of cavalry and 1 per other mounted unit unprovided with forge in peace equipment.
Woolwich Section, 25.		
⁵⁴ Gen. No. 9462	Brooms, birch	16 per regiment of cavalry, 10 per battalion of infantry, 6 per staff or other unit.
	Chairs, officers'	3 per unit (except staff) for orderly rooms and quartermaster's stores.
Tables, soldiers { tops { 4 feet		1 for each staff office.
{ 6 "		3 per unit (except staff) for orderly room and quartermaster's stores.
{ trestles		2 per table top.

* If, in the opinion of the Officer Commanding, the forge work of the unit is too heavy to be satisfactorily carried out with packsaddle forges, a forge cart or forge wagon (as may be available) will be issued in lieu.

† When stock is exhausted, shovels, G.S., will be issued in lieu.

§ Royal Engineers will receive spades, Mark III, in lieu.

Camp Equipment—continued.

Table 1—continued.	Proportion.
<i>Woolwich Section, 26.</i>	
Implements, butchers'	1 set per staff or other unit (see Table 2).
Pails, I.G., 3 gallons	1 per tent (except office tents).
Scales, weighing, iron beam, with triangles, and sets of weights, 5 cwt.	1 per camp.
Stones, rag, or rub, scythe	6 per regiment of cavalry or battalion of infantry, 2 per staff or other unit.
<i>Woolwich Section, 27.</i>	
Blankets, G.S.	2 per W.O., N.C.O. and man.
Stretchers, regimental	1 per unit (except staff).
<i>Woolwich Section, 29.</i>	
Hammers, platelayers' sledge*	6 per regiment of cavalry or battalion of infantry, 2 per staff, 4 per other unit.
Wedges, sawyers, steel*	6 per regiment of cavalry or battalion of infantry, 4 per staff or other unit.

* Supplied only when wood that requires splitting is issued.

N.B.—Mounted infantry battalions draw on the same scale as regiments of cavalry.

Scale for Officers' Mess (if number of members exceed 12).
Standing Camps only.

	Proportion.
<i>Woolwich Section, 2.</i>	
Stoves, Soyer's	2
Tents, { circular, single linen	2
com- { marquee, hospital	1 } per mess.
plete { ridge pole	1
store ...	1
<i>Woolwich Section, 25.</i>	
Chairs, officers'	1 per officer and 6 per mess.
Tables, soldiers' { tops { 6-feet	1 to 4 officers and 2 spare per mess.
{ 4 ,,	4 per mess.
{ trestles.. ..	2 per table top.
<i>Woolwich Section, 26.</i>	
Cans, soup	3 per mess.
Dishes, meat, tin, 17½-inches	6 per mess.
Tubs, washing, 8 gallons, iron	4 per mess.

BUTCHERY IMPLEMENTS.

TABLE 2.	No. per Set.	General Proportions.
<i>Woolwich Section, 26.</i>		
Balances , spring, 4 lb.	1	
IMPLEMENTS, BUTCHERS.		
Cases , wood	1	
Choppers , meat	1	
Hooks , butchers', dressing, 9-in.	6	} 1 set per staff, and 1 set per mounted and dismounted unit.
Knives , { cutting	1	
butchers' { flaying, large	1	
Saws , tenon, 14-in.	1	
Sheets , ground, unserviceable*	1	
Steel , butchers'	1	
Steelyards , 56 lb.	1	

* To place the cut up meat upon. A chopping block, if required, must be improvised.

APPENDIX VI—*continued*

TABLE 3.

SCALE OF CAMP EQUIP-

TABLE 3.		All Units.	Staff Units.	Cavalry and Mounted Infantry.*	Royal Artillery.
<i>Woolwich Section, 2.</i>					
Axes, felling, curved helve	... ..	Army Corps 2 1 per other unit	1 per hd. qrs.; 1 per squadron	2 per unit...	
Axes, hand, 2 lb. 2 oz.	... ..	Army Corps 2 1 per other unit	1 per hd. qrs.; 1 per squadron	Nil... ..	
Bags, letter, field ..	... ..	Army Corps 2 1 per other unit.			
Boxes, stationery, field (a).	... ..	Army Corps, 4 Infantry Div., 2 1 per other unit	1 per unit ...	1 per unit...	
⁵⁷ ^{Sahsby} 382 Buckets, water G.S. canvas	1 per 2 horses...				
⁵⁷ ^{Gen. No.} Chairs, camp...	... ..	1 per General Officer			
⁵⁸⁷⁴ Cords, forage...	... ..	1 per 4 horses.			
Covers, saddle ...	1 per horse.				
⁵⁴ ^{Engrs.} 524 Flags, distinguishing (b)—					
poles, 16 ft. ... ..	} ... ..	... ..	... ..	... ..	... ..
cross bars ... pairs					
Kettles, camp, oval, 12 qts.	1 per 8 W.O.'s, N.C.O.'s and men, with 50 per cent. additional, if specially ordered (c)	... ..	... ..	... ..	... ..
Lanterns, tent, folding	... ..	Army Corps, 3 Infantry Div., 2 Other units, 1	3 per hd. qrs.; 3 per squadron	2 per unit...	
Lanterns, tent, distinguishing (d)	... ..	... ..	... ..	... ..	
Lamps, candle ...	... ..	1 per office (staff units only)			
Mallets, heel peg and small picket.	1 per 8 horses or less (e)	... ..	... ..	... ..	
Mauls, G.S. ... ..	... ..	Army Corps, 2 Infantry Div., 1	4 per hd. qrs.; 4 per squadron	1 per unit...	

* A company of mounted infantry will draw

MENT FOR MANŒUVRES.

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	2 per unit ...	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	Nil	2 per unit.	
1 per unit ...	1 per unit ...	1 per unit ...	1 per unit ..	(a) Exclusive of contents, which will be provided by the units concerned.
... ..	... ..	... ..	... ..	(b) As required. See Combined Training, Sections VI to IX.
... ..				
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	2 per unit ...	2 per unit ...	2 per unit.	
... ..	... ..	... ..	... ..	(d) As required. See Combined Training, Sections VI to IX.
... ..	... ..	... ..	... ..	(e) Officers horses not picketed with public horses to be calculated separately.
1 per unit ...	1 per unit ...	1 per unit.		

equipment as a squadron of cavalry.

Camp Equipment

TABLE 3—cont.		All Units.	Staff Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Woolwich Section, 2—cont.</i>					
54 Gen.No. 8785	Pegs, picketing with rope loop	2 per horse and 15 per cent. spare.	... ..	... ..	... ..
	Racks, arm, tent ...	1 per N.C.O. and men's tent, except medical units.	... ..	... ..	... ..
	Ropes, head, hemp, with ring	1 per horse and 10 per cent. spare.	... ..	... ..	... ..
	Ropes, heel, Mk. IV...	1 per horse and 15 per cent. spare, for use with unruly horses, &c.	... ..	... ..	... ..
	Ropes, picketing, 4 ft. in.	1 per horse.	... ..	... ..	... ..
54 Gen.No. 8785	Rugs, horse ...	1 per public horse.	... ..	... ..	... ..
54 Gen.No. 8552	Screens, latrine ...	1 for officers, 1 for N.C.O.'s, and 1 per squadron or company.	... ..	... ..	... ..
57 Gen.No. 5910	Sheets, ground ...	8 per N.C.O.'s and men's tent, 1 per man when less than 8 in a tent, and, if required, for detached duties, sheets ground up to 15 per cent. of the strength of the unit may be drawn in addition.	... ..	... ..	... ..
54 Gen.No. 8785	Stools, camp ...	... ..	1 per officer ..	1 per hd. qr. office	... ..
	Tables, camp...	... ..	1 per G.O.C. (personal use) 1 per office tent (excluding marquee)	1 per hd. qr. office	... ..

for Manœuvres—*continued.*

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	1 per hd. qr. office.	...	...	
...	1 per hd. qr. office.	...	...	

Camp Equipment

TABLE 2—cont.

	All Units.	Staff Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Woolwich Section, 2—continued.</i>				
Tables, portable, F.S., 6 ft.	... ..	2 per Army Corps for A. A. G.'s office marquee.	... ..	... ..
Tents. complete C.D.L.	... ..	1 per General Officer.	... ..	... ..
			1 per C.O. regiment; 1 per M.O., if any (to be used also as inspection tent; 1 per 3 other officers; 2 for guard per regiment (1 for guard per detached squadron); 1 for office per regiment; 1 per 12 W.O.'s, N. C. O.'s, and men	1 per C.O. Brigade; 1 per 3 officers; 1 per 12 other ranks
Tents, complete C.S.L.	(k)	(l)		
Tents. complete marquee, H.P.	... ..	1 per Army Corps for A. A. G.'s office.	... ..	... ..
C.—TOOLS, &c., FOR INTRENCHING.—				
Axes, { heads 4½ lb. ... pick { helves 36 in. ... ferruled	... ..	Army Corps 2 1 per other unit	1 per hd. qrs.; 1 per squadron	2 per unit...
Shovels, G.S. §	... ..	Army Corps, 2 Other units, 1	2 per hd. qrs.; 2 per squadron	1 per unit...
Spades, N.P. †	... ..	Army Corps, 2 Other units, 1	2 per hd. qrs.; 2 per squadron	1 per unit...

§ Royal Engineers receive
† When stock is exhausted

for Manœuvres—continued.

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
... ..				
... ..				
1 per 3 officers; 1 per 12 other ranks	1 per C.O. battalion; 1 per M.O., if any (to be used also as an inspection tent); 1 per 3 other officers; 1 for guard per battalion; 1 for office per battalion; 1 per 12 W.O.'s, N.C.O.'s, and men	1 per 3 officers; 1 per 12 other ranks	1 per 3 officers; 1 per 12 other ranks	(k) Tents to be calculated separately for headquarters, squadrons, batteries, companies, &c.; any fraction of 12 to count as 12. A W.O. to count as 3 men; other N.C.O.'s above the rank of corporal to count as 2 men. If cooks are sent on overnight to next camping ground, extra tents should be allowed for their use. (l) As for war, with mess tents added. A marquee (outer roof and flies only) will, for manœuvres, be substituted for the 2-bell tents allowed on War Scale for the A.A.G.'s and the D.A.A.G.'s of an Army Corps Staff.†
... ..				
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	2 per unit ..	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	2 per unit ...	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	2 per unit ..	2 per unit.	

spades Mark III. in lieu.
shovels G.S. will be issued.

Camp Equipment

TABLE 3—cont.	All Units.	Staff Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Woolwich Section, 4.</i>				
Carts, S.A.A. ... ..	... ..	... ..	1 per regiment; 1 per company mounted infantry	... ..
Carts, water (m) ... ..	... ..	A.C. staff Div. staff Brig. staff } 1 each	2 per regiment; 1 per detached squadron	1 per unit...
<i>Woolwich Section, 5.</i>				
Bags, nose, G.S. ...	1 per officer's horse.	... ..	... ..	... ..
Forges, packsaddle ...	... ..	1 per Brigade Staff, B.A.	... ..	1 per detached battery
<i>Woolwich Section, 25.</i>				
Brooms, bass ... ..	... ..	1 per 25 horses or less	1 per 25 horses	1 per 25 horses
<i>Woolwich Section, 26.</i>				
Implements, butchers'... ... sets	1 per unit.	... ..	... ..	... ..
57 Gen. No. 5874	Pails, I.G., 3 gallons (or Buckets, canvas)	1 per N.C.O. and men's tent.	... ..	... ..
<i>Woolwich Section, 27.</i>				
Blankets, G.S. ...	1* per W.O., N.C.O., and man.	... ..	... ..	... ..
<i>Woolwich Section, 29.</i>				
Hammers, plate-layers' sledge ... ..	... ..	1 per unit ...	2 per regiment, 1 per detached squadron	1 per unit...
Wedges, sawyers' steel ... ..	... ..	2 per unit ...	2 per regiment; 2 per detached squadron	2 per unit

* A second blanket per man will be stored in ordnance dépôts

for Manœuvres—*continued.*

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
... ..	1 per unit.			
1 per unit ...	2 per unit ...	1 per unit ...	1 per unit ...	(m) Carts, water tank, if available; if insufficient available, infantry units should be supplied as far as possible, barrels being issued to mounted units.
... ..				
... ..	... ..	1 per unit ...	... ..	
1 per 25 horses	1 per head qrs.; 1 per company	1 per 25 horses	2 per unit.	
... ..				
... ..				
... ..				
1 per unit ...	2 per battalion	1 per unit.	1 per unit.	
2 per unit ...	4 per unit ...	2 per unit ...	2 per unit.	

in the manœuvre area, ready for issue if specially ordered.

TABLE 3—continued.

**SCALE OF EQUIPMENT FOR MESSSES ON
MANŒUVRES.**

I.—Large Mess.

<i>Woolwich Section, 2.</i>										No.
Lamps, candle...	...	...	...	...	...	...	...	...	...	1 per 6 officers.
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	4
Screens, latrine	...	...	...	...	...	...	...	...	...	1
Tables, portable, F.S., 6 ft....	...	...	...	...	...	...	...	...	...	1 per 6 officers and 2 spare.
Tents com- plete	marquee, hospital...	...	...	...	...	...	...	...	...	1
	(If more than 24 officers an additional marquee may be drawn.)									
	circular, single, linen	...	...	...	...	...	...	...	...	1
Shovels, G.S.	...	...	...	...	...	...	...	...	...	1

II.—Small Mess.

<i>Woolwich Section, 2.</i>										No.
Lamps, candle...	...	...	...	...	...	...	...	...	...	1
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	1
Tables, portable, F.S., 6-ft.	...	...	...	...	...	...	...	...	...	1
Tents, complete circular, single linen	...	...	...	...	...	...	...	...	...	1

TABLE 3—continued.

**SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTES
ON MANŒUVRES.**

I.—Full Canteen.

<i>Woolwich Section, 2.</i>										No.
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	3
Tables, portable, F.S., 6-feet	...	...	...	...	...	...	...	...	...	2
Tents, complete marquee, hospital, without lining	...	...	...	...	...	...	...	...	...	1
<i>Woolwich Section, 26.</i>										
Machines, weighing 28 lb.	...	...	...	...	...	...	...	...	...	1
Falls, I.G.	...	...	...	...	...	...	...	...	...	2
Weights	brass	{	$\frac{1}{2}$ oz.	...	...	...	...	...	...	1
			1 oz.	...	...	...	...	...	...	1
	iron ring	{	$\frac{1}{2}$ lb.	...	...	...	...	...	...	1
			$\frac{1}{2}$ "	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	1
			2 "	...	...	...	...	...	...	1

II.—Half Canteen.

<i>Woolwich Section, 2.</i>										No.
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	2
Tables, portable, F.S., 6-ft.	...	...	...	...	...	...	...	...	...	1
Tents, complete ridge, pole	...	...	...	...	...	...	...	...	...	1
<i>Woolwich Section, 26.</i>										
Machines, weighing, 28 lbs.	...	...	...	...	...	...	...	...	...	1
Falls, I.G.	...	...	...	...	...	...	...	...	...	1
Weights	brass	{	$\frac{1}{2}$ oz.	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	1
	iron ring	{	$\frac{1}{2}$ lb.	...	...	...	...	...	...	1
			$\frac{1}{2}$ "	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	1
			2 "	...	...	...	...	...	...	1

SCALE OF TENTS.—(Active Service.)

For field army units at special establishment, exclusive of staff units and of regimental units on the lines of communication.

TABLE 4.

Unit.	Field officer commanding unit.	Medical officer (for medical purposes).	Other officers.	W.O., Staff-serjeants, Serjeants, and rank and file.	Office.	Guard.	Total.	Remarks.
Cavalry regiment, { headquarters ..	1	1	2	4	1	1	10	} 52 per unit.
Regimental Staff, corps artillery ..	1	..	2	12	..	..	14	
Brigade staff, { horse artillery ..	1	..	1*	1	..	..	3	
field { 15-pr. artillery, { 5-in. howitzer ..	1	1	1	2	1	1	7	
artillery, { with cavalry brigade ..	1	1	1	2	1	1	7	
Battery, { field artillery, { in brigade ..	..	1	2	13	..	..	16	
gun ..	..	..	2	13	..	..	15	
artillery, { howitzer ..	..	..	2	14	..	..	16	
brigade { R.H.A. ..	..	..	2	14	..	..	16	
column, { R.F.A. ..	..	..	2	11	..	1	14	
cavalry brigade ..	..	..	2	14	..	1	17	
staff ..	..	..	2	8	..	1	11	
Ammunition park, { section ..	1	1	1	1	1	..	5	
corps, Engineers ..	..	..	2	16	..	1	19	
Regimental staff, { divisional Engineers ..	1	..	1*	1	..	1	4	
Field troop R.E. ..	..	..	1	1	..	..	2	
Bridging company R.E. ..	..	1	2	9	..	..	11	
..	..	..	2	15	..	..	18	

Telegraph company { headquarters	..	..	..	1	2	1	..	4	} 24 per unit.
Field company ..	..	..	..	..	1	..	..	5	
Fortress company ..	..	..	..	..	15	..	..	18	
Railway company ..	..	..	..	..	9	..	..	11	} 28 per unit.
Balloon company ..	..	..	..	..	11	..	..	13	
Field park ..	..	..	..	..	4	..	..	5	
Mounted infantry, { headquarters	..	..	..	..	2	..	1	4	} 85 per unit.
company ..	..	..	..	..	10	..	..	12	
headquarters	..	..	..	1	8	1	1	13	
Infantry battalion, { company	..	..	..	..	8	..	..	9	} \$ 10 D'Abri tents per company.
headquarters	..	..	..	..	8	..	..	1	
Mounted company of signallers ..	..	..	..	..	8	..	..	1	
Dismounted company of signallers	..	..	..	..	8	..	..	1	} 16
{ troops, { supply wagon detachment	..	..	..	..	6	..	..	16	
infantry { headquarters and other details	..	..	..	..	6	..	..	12	
divisional, { supply wagon detachment	..	..	..	..	3	..	..	12	} 13
infantry { headquarters and other details	..	..	..	..	5	..	..	13	
brigade, { supply wagon detachment	..	..	..	..	4	..	..	13	
cavalry { headquarters and other details	..	..	..	..	6	..	..	13	} {† And 1 officer's tent to every 4 sections; total 31 tents per unit. This total excludes tents and marquees which form part of the normal equipment of a field bakery.
brigade, { supply wagon detachment	..	..	..	..	5	..	..	13	
brigade, { headquarters and other details	..	..	..	..	5	..	..	13	
Field bakery, { headquarters	..	..	..	..	3	..	..	†	} 47 per unit.
Remount { base ..	..	..	..	..	3	..	1	24	
Depot, { advanced	..	..	..	..	1	..	..	7	
Supply park, { headquarters	..	..	..	..	2	1	..	5	} 47 per unit.
Cavalry field ambulance ..	..	..	..	..	13	..	..	14	
Field ambulance ..	..	..	..	..	9	..	..	11	
	..	..	..	..	19	..	..	23	

* And for office.

APPENDIX VII.

(Referred to in paragraph 347.)

TABLES SHOWING THE MATERIAL, TIME, AND WORKING PAY, ALLOWED FOR PAINTING MISCELLANEOUS CARTS, WAGONS, &c.

N.B.—For Carts, Wagons, &c., special to the Royal Artillery, see Artillery Special Instructions and Details, Part 2. Section XIIa. The quantities of paint allowed as under for painting carts and wagons of A.S.C. Companies and the regimental transport of Foot Guards stationed in London may be drawn half-yearly.

54

A.S.C.
2933

TABLE A.

Quantity of Material required for repairing bare places and painting one coat, for the following Carts, Wagons, &c.

Description.	Paint prepared,						Putty.	Remarks.
	Lead Colour.			Red.				
	lbs.	lbs.	ozs.	lbs.	ozs.	lbs.			ozs.
<i>Woolwich Section, 2.</i>								
Barrows, land ...	...	...	...	...	...	...	...	
	...	...	1	0	...	...	0	2
	...	...	0	12	...	...	0	2
	...	...	1	0	...	...	0	2
Mauls, G.S. ...	...	...	...	1	0	...	...	
Posts, picket, 2½ feet† ...	...	...	...	0	2	...	...	
<i>Woolwich Section, 4.</i>								
Carts ...	...	8	8	...	...	...	1	0
	...	...	8	8	...	...	1	0
	...	...	13	4	...	...	1	2
	...	...	9	8	...	...	1	2
	...	...	9	8	...	...	1	2
	...	...	12	0	...	...	1	8
Carts ...	...	...	9	0	...	...	1	2
	...	...	...	...	...	...	...	...

For Heads only, per dozen, one coat.
†Posts treated with "jodelite" will not require painting.

57

24
3913

Only allowed for casks stored separately. The quantities allowed for the carts, water, are sufficient for both cart and barrel.

		6	4							0	0	10	8
54 Engineers 363 8 Equipment 9	Carts	band, common { Mark I. ...	...	...	...	...	...	...	...	...	...	...	...
		low, projectile ...	...	...	...	...	...	...	...	...	...	...	...
		Maltese ...	...	...	...	...	...	...	...	...	...	...	...
		shot ...	...	...	...	...	...	...	...	...	...	...	...
		sling ...	...	...	...	...	...	...	...	...	...	...	...
		small-arm, ammunition	...	...	...	...	...	...	...	...	...	...	...
		tip, general service	...	...	...	...	...	...	...	...	...	...	...
		transport { spring	...	...	...	...	...	...	...	...	...	...	...
		tip ...	...	...	...	...	...	...	...	...	...	...	...
		trench ...	...	...	...	...	...	...	...	...	...	...	...
57 Aldershot 6628	Casks, water, 108 gallons	water barrel ...	...	...	...	...	...	...	...	...	...	...	...
		water { frame, shafts and wheels	...	...	...	...	...	...	...	...	...	...	...
		tank { tank ...	...	...	...	...	...	...	...	...	...	...	...
		watering { barrel	...	...	...	...	...	...	...	...	...	...	...
		box ...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
57 Aldershot 6628	Covers	forge, Mark II ...	...	...	...	...	...	...	...	...	...	...	...
		Maltese ...	...	...	...	...	...	...	...	...	...	...	...
		tip, G.S. ...	...	...	...	...	...	...	...	...	...	...	...
		adjustable	...	...	...	...	...	...	...	...	...	...	...
		converted surgery, spring	...	...	...	...	...	...	...	...	...	...	...
		Mark III ...	...	...	...	...	...	...	...	...	...	...	...
		Mark IV, G.S. heavy spring, and	...	...	...	...	...	...	...	...	...	...	...
		A. and S. R.A. for special	...	...	...	...	...	...	...	...	...	...	...
		G.S. wagon ...	...	...	...	...	...	...	...	...	...	...	...
		loads; and also R.E. forge and	...	...	...	...	...	...	...	...	...	...	...
57 Aldershot 6628	Wagons	Mark V ...	...	...	...	...	...	...	...	...	...	...	...
		Mark VI ...	...	...	...	...	...	...	...	...	...	...	...
		Mark VII to VIII	...	...	...	...	...	...	...	...	...	...	...
		ambulance { equitotal	...	...	...	...	...	...	...	...	...	...	...
		field hospital, store ...	...	...	...	...	...	...	...	...	...	...	...
		blarnacy ...	...	...	...	...	...	...	...	...	...	...	...
		surgery, spring	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...
		...	...	...	...	...	...	...	...	...	...	...	...

† The same quantity will be allowed for first painting at out-stations.

TABLE A—continued.

	Description.	Paint prepared.					Putty.	Remarks.	
		Lead Colour.	Khaki Colour.	Stone Colour.	Red.				
Woolwich Section, 4.									
38407	Carts { cable ... tip, Royal Engineer	...	...	...	...	...	...	...	Also 2 oz. of white, for colouring leads.
Equip't. 2104		...	...	...	...	...	...	...	
57	Covers, cart { tip, R.E. tool, double, R.E. (2 to a set), each...	...	...	...	...	...	...	...	
Aldershot		...	...	...	...	...	...	...	
6628	{ air line ... forge, Royal Engineer general service, R.E. pontoon ... reservoir, gas timber, R.E. bakery ... bread and meat forge { equirotal lock under	...	...	...	...	...	...	...	
57	Wagons { equirotal ... general service { equirotal ... (lock under) Mark V to X heavy, spring ... office ... siege, equirotal... sling (with limber) { 12 tons 7 " 6 "	...	...	...	...	...	...	...	
Aldershot		...	...	...	...	...	...	...	...
6628	{ small-arm ammunition (with limber) 2nd class C No. 200 ... 3rd " B " 159 ...	...	...	...	...	...	...	...	
8	Woolwich Section, 5.	...	...	...	...	...	...	...	
Equipment		...	...	...	...	...	...	...	
9	Wheels	...	...	...	...	...	...	...	
57		...	...	...	...	...	...	...	
Aldershot	Packsaddlery, G.S., covers, 6 ft. x 6 ft., G.S.	...	...	...	...	...	...	...	
6628		...	...	...	...	...	...	...	

Woolwich Section, 13.

Covers, wagon, artillery
 Wagons, artillery

Woolwich Section, 15.

Carriages, { 303 Maxim { Cavalry or Mounted Infantry,
 field, Marks I and I* ...
 machine Infantry { Marks I and I* ...
 gun Nordenf, 3 barrel (Mark I), also { Cavalry ...
 Gardner, 2 barrel Infantry ...
 Carriages, field, Q.F. 1-pr. ...
 Limbers, field, Q.F. 1-pr., carriage or wagon converted ...
 Shield, Q.F. 1-pr. ...
 Wagon, ammunition, Q.F. 1-pr. converted ...

Woolwich Section, 19.

Jacks, lifting, general service

Woolwich Section, 26.

Barrows, stable

Woolwich Section, 28.

Pontoons

Woolwich Section, 29.

Trucks, miners

N.B.—Paint, black
 Varnish, Japan black
 { For every 12 campkettles,
 4 ozs. ...
 1½ pints ...

(EQ. R.)

TABLE B.
Time and Working Pay allowed for Scraping, Cleaning, and Painting the following
Carts, Wagons, &c.

Description.	Scraping and Cleaning.		Painting.	
	Time.		Priming, or first Coat.	
	H. M.	s. d.	H. M.	s. d.
<i>Woolwich Section, 2.</i>				
Barrows, hand { double	1 0	0 1	1 0	0 1½
{ single	0 45	0 0½	0 45	0 1
{ with legs	1 0	0 1	1 0	0 1½
Mauls, G.S. (for Heads only, per dozen, one coat)	—	—	1 45	0 2½
Posts, picket, 2½ feet	0 10	0 0½	0 15	0 0½
<i>Woolwich Section, 4.</i>				
{ ambulance, G.S.	6 0	0 6	6 0	0 9
{ chaise	5 0	0 5	5 0	0 7½
{ coal	6 0	0 6	6 0	0 9
{ forage	5 0	0 5	5 0	0 7½
{ forge	4 0	0 4	4 0	0 6
{ Gibraltar { large	3 0	0 3	3 0	0 4½
{ small				
{ hand, common { Mark I.	5 0	0 5	5 0	0 7½
{ low, projectile				
{ Maltese	5 0	0 5	5 0	0 7½
{ shot	6 0	0 6	6 0	0 9
{ sling	5 0	0 5	5 0	0 7½
{ small-arm ammunition	6 0	0 6	6 0	0 9
{ tip, G.S.	6 0	0 6	6 0	0 9
{ transport { spring	6 0	0 6	6 0	0 9
{ tip				

TABLE B—continued.

Description.	Scraping and cleaning.		Painting.			
	Time.	Amount.	Priming, or first Coat.		Stopping and second Coat.	
			Time.	Amount.	Time.	Amount.
<i>Woolwich Section, 4—continued.</i>						
Wagons						
general service { equirota (lock under) Mark V to X	13 0	1 1	13 0	1 7½	17 0	2 1½
heavy, spring	13 0	1 1	13 0	1 7½	17 0	2 1½
office	13 0	1 1	13 0	1 7½	17 0	2 1½
siege, equirota	12 0	1 0	10 0	1 3	14 0	1 9
sling (with limber) { 12 tons.. 7, ..	10 0	0 10	10 0	1 3	12 0	1 6
small-arm ammunition (with limber) { 6, ..	10 0	0 10	9 0	1 0	12 0	1 6
air line	9 0	0 9	9 0	1 1½	12 0	1 6
cable, Telegraph	15 0	1 3	15 0	1 10½	18 0	2 3
forge, Royal Engineers	16 0	1 4	15 0	1 10½	17 0	2 1½
pontoon	6 0	0 6	6 0	0 9	7 0	0 10½
reservoir, gas	5 0	0 5	11 30	1 5½	14 30	1 9½
timber, R.E.	5 0	0 5	5 0	0 7½	6 30	0 9½
2nd Class C, No. 200	0 40	0 0½	0 50	0 1½	1 0	0 1½
3rd Class B, No. 159	0 30	0 0½	0 40	0 1	0 50	0 1½
Wheels						
<i>Woolwich Section, 5.</i>						
Packsaddlery, G.S., covers, 6 ft. x 6 ft., G.S.	—	—	1 0	0 1	—	—
<i>Woolwich Section, 13.</i>						
Covers, wagon, artillery	13 0	1 1	4 0	0 4	17 0	2 1½
Wagons, artillery	—	—	13 0	1 7½	—	—
8						
Equipt.						
9						
57						
Aldershot						
6628						

Woolwich Section, 15.

Carriages, field, { Cavalry or Mounted Infantry, Mark I
 machine gun† { .303 Maxim and I*
 { Infantry { Mark I and I*
 { Mark II and II*
 Nordenfält, 3-barrel (Mark I.) { Cavalry ...
 also Gardner, 2-barrel { Infantry ...
 Carriages, field, { Marks I and II ...
 Q.F., 1-pr. { Mark II* ...
 Limbers, field, { Carriage { Marks I and I*
 Q.F., 1-pr. { wagon, converted { Mark II ...
 Shield, Q.F., 1-pr. ...
 Wagon, ammunition, Q.F., 1-pr. converted ...

8
 Equip.
 9

5 50
 3 0
 3 30
 5 0
 5 0
 2 0
 2 15
 4 0
 4 0
 4 0
 0 15
 4 0

0 5½
 0 3
 0 3½
 0 5
 0 5
 0 2
 0 2½
 0 4
 0 4
 0 4
 0 0½
 0 4

6 30
 2 30
 4 30
 6 0
 6 0
 4 0
 4 45
 8 15
 8 30
 8 30
 0 30
 9 0

0 9½
 0 5½
 0 6½
 0 9
 0 9
 0 6
 0 7
 1 0½
 1 0½
 1 0½
 0 0½
 1 1½

7 30
 4 0
 5 0
 7 0
 7 0
 4 15
 5 15
 10 0
 10 30
 10 30
 0 30
 10 45

0 11½
 0 6
 0 7½
 0 10½
 0 10½
 0 6½
 0 7½
 1 3
 1 3½
 1 3½
 0 0½
 1 4½

Woolwich Section, 19.

Jacks, lifting, general service ...

Woolwich Section, 26.

Barrows, stable ...

Woolwich Section, 28.

Pontoons ...

Woolwich Section, 29.

Trucks, miners ...

38407
 Equip.
 2104
 54
 Engineers
 388
 77
 6
 4238

0 0½
 0 0½
 0 1½
 1 3
 0 0½
 0 0½

0 30
 1 0
 1 0
 10 0
 0 30
 0 30

0 30
 1 0
 6 0
 —

0 0½
 0 1
 0 6
 —

0 30
 1 0
 6 0
 —

0 30
 1 30
 11 0
 0 45

0 2½
 0 2½
 1 4½
 0 1½

† Including painting of gun.

TABLE C.

Quantity of Paint allowed for Marking.

Nature of Marking.		No. of Letters, &c.	Quantity of Paint.*	Remarks.	
Letters or figures	Writing	$1\frac{1}{4}$ -in. type	200	ozs. $1\frac{1}{4}$	1 pint of turpentine per lb. of paint will be allowed for marking purposes.
		$1\frac{1}{8}$ " "	200	1	
		1 " "	200	1	
		$\frac{7}{8}$ " "	200	$\frac{3}{4}$	
		$\frac{3}{4}$ " "	200	$\frac{3}{4}$	
		$\frac{5}{8}$ " "	200	$\frac{1}{2}$	
		$\frac{1}{2}$ " "	200	$\frac{1}{2}$	
		$\frac{3}{8}$ " "	200	$\frac{1}{4}$	
		$\frac{1}{4}$ " "	200	$\frac{1}{4}$	
		Stenciling	$1\frac{1}{4}$ " "	200		$\frac{5}{8}$	These quantities are for white paint, the same quantities are required for Chinese red.
	$1\frac{1}{8}$ " "		200	$\frac{1}{2}$	
	1 " "		200	$\frac{1}{2}$	
	$\frac{7}{8}$ " "		200	$\frac{3}{8}$	
	$\frac{3}{4}$ " "		200	$\frac{3}{8}$	
	$\frac{5}{8}$ " "		200	$\frac{1}{4}$	
	$\frac{1}{2}$ " "		200	$\frac{1}{4}$	
	$\frac{3}{8}$ " "		200	$\frac{1}{8}$	
	$\frac{1}{4}$ " "		200	$\frac{1}{8}$	
	Circular spot, 1 inch in diameter		200	3	
	Geneva cross	10 in. $\times$ 9 in.	10	$2\frac{1}{2}$	These quantities are for white paint, the same quantities are required for Chinese red.
9 " $\times$ 8 "		10	$2\frac{1}{4}$		
$7\frac{1}{2}$ " $\times$ $5\frac{3}{4}$ "		10	$1\frac{3}{4}$		
6 " $\times$ 5 "		10	$1\frac{1}{2}$		
Lines, 1 in. $\times$ 3 in.	....	10	$\frac{1}{4}$		

* Less than $\frac{1}{4}$ -lb. paint should not be issued.

APPENDIX VIII.

(Referred to in paragraph 361.)

MATERIALS FOR REPAIR AND PRESERVATION
OF ARMS.

I. MATERIALS FOR REPAIRING ARMS.

The following tables contain lists of the various parts of arms supplied to the Regular Army, at public expense, for the use of armourer-serjeants.

The scales for rifles, carbines, and their side arms, are based upon the numbers required for 1000 arms. In the case of units having a greater or less number than 1000 arms of one mark or pattern, or of various marks or patterns, proportionate quantities will be demanded for each description of arm. Fractional results should be taken as whole numbers, and allowance should be made for any number in possession of corps.

In the case of mobilization arms, particular care must be taken to ensure that the authorised proportion of components suited to each mark of arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the arms of units unprovided with armourer-serjeants, will be demanded and accounted for by the officer whose armourer is detailed to perform the work. The parts of interchangeable arms are, as a rule, issued in a finished state:—

Carbines, Martini-Metford and Martini-Enfield, and Rifles, Martini-Enfield.

TABLE I.

TABLE 1.		Description.	Annual proportion for 1,000 Arms.†						Rifles, Martini- Enfield, Mark I.
			Carbines. Artillery.						
			Martini- Metford.		Martini- Enfield.				
			Mark II.	Mark III.	Mark I. and I*.	Mark II. and II*.	Mark III.		
Weedon Section.									
Bands	{	lower, M.L.M. rifle, Mark II	...	...	—	—	—	—	1
		upper, M.E. rifle, Mark I	...	...	—	—	—	—	1
Blocks	{	breech, M.M. ...	...	...	1	1	1	1	—
		„ M.E. rifle, Mark I	...	...	—	—	—	—	1
Bolts, stock, M.M.	{	catch, lever, M.M. ...	...	...	1	1	1	1	1
		carbine, artillery, Mark III	...	...	1	1	1	1	1
Caps, nose, M.E.	{	rifle, Mark I	...	...	—	—	—	—	1
Cords, pull-through			...	...	1	1	1	1	—
Extractors	{	M.M. ...	...	...	2000	2000	2000	2000	2000
		M.E. rifle, Mark I	...	...	1	1	1	1	1
Guards	{	trigger, M.M. ...	...	...	—	—	—	—	—
		hand, M.E. rifle, Mark I	...	...	1	1	1	1	1
Gauze, wire, pieces of			...	...	2000	2000	2000	2000	2000
Holders, rod, M.E. rifle, Mark I			...	...	—	—	—	—	3
Hooks, fore end, M.M.			...	...	—	2	2	2	2
Indicators, M.M.			...	...	10	10	10	10	10

† The instructions in the paragraph preceding Table I. should be observed in preparing indents.

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**Carbines, Martini-Metford and Martini-Enfield, and Rifles,
Martini-Enfield—continued.**

TABLE I—continued.

TABLE I—continued.		Annual proportion for 1,000 Arms.†					Rifles, Martini-Enfield, Mark I.
		Carbines, Artillery.					
		Martini- Metford.		Martini- Enfield.			
		Mark II.	Mark III.	Mark I. and I*.	Mark II. and II*.	Mark III.	
Description.							
Leaves, back sight	{ C.C.M.L.E. ...	—	—	—	—	5	—
	{ C.C., M.L.M., Mark III M.L.M. rifle, Mark II	5	5	5	5	—	5
Levers, breech, M.M.	...	1	1	1	1	1	1
Nuts	{ screw band, upper, M.L.M. rifle	—	—	—	—	—	30
	{ stop, M.M. ...	2	2	2	2	2	2
Pins	{ axis { back sight, M.L.M. rifle	5	5	5	5	5	5
	{ block, M.M. ...	3	3	3	3	3	3
	{ block, catch, lever, M.M. ...	1	1	1	1	1	1
	{ extractor, M.M. ...	1	1	1	1	1	1
	{ stop band { lower, M.L.M. rifle	—	—	—	—	—	—
	{ upper, M.E. rifle, Mark I	—	—	—	—	—	—
stud, barrel, A.C., M.M., Mark II	...	1	—	—	—	1	—
Rivets, spring, hand guard, M.L.M. rifle	...	—	—	—	—	—	10
Screws	{ band { lower, M.L.M. rifle, Mark II	—	—	—	—	—	5
	{ upper, M.E. rifle, Mark I	—	—	—	—	—	4
	{ bed, back sight, M.L.M. rifle	5	5	5	5	5	5
	{ cap { back sight, M.L.M. rifle	5	5	5	5	5	5
	{ nose, M.L.M. rifle ...	5	5	5	5	5	5
	{ „ M.E. rifle, Mark I	—	—	—	—	—	5
	{ holder, rod { long, M.E. rifle	—	—	—	—	—	1
	{ short „	—	—	—	—	—	1
	{ hook, fore-end, M.M. ...	—	4	4	4	—	4
	{ keeper { indicator, M.M. ...	6	6	6	6	6	6
{ stop nut „	4	4	4	4	4	4	
plate, butt	...	10	10	10	10	10	10
Slides	{ spring { sight, back, M.L.M. rifle	5	5	5	5	5	5
	{ trigger, M.M. ...	4	4	4	4	4	4
	{ swivel, band, A.C., M.M. §	4	4	4	4	4	4
	{ trigger, M.M. ...	4	4	4	4	4	4
	{ back sight, C.C., M.L.M., Mark I	5	5	5	5	5	—
Springs	{ „ M.L.M. rifle, Mark II	—	—	—	—	—	5
	{ sight, back, M.L.M. rifle	3	3	3	3	3	3
	{ block, catch, lever, M.M. ...	2	2	2	2	2	2
Stocks	{ hand guard, upper, M.L.M. rifle, Mark II	—	—	—	—	—	2
	{ main, M.M. ...	10	10	10	10	10	10
	{ trigger, M.M. ...	6	6	6	6	6	6
Stops, stud, barrel, A.C., M.M., Mark II	{ butt ... { long, M.M. ...	1	1	1	1	1	1
	{ short „	—	—	—	—	—	1
	{ A.C., M.M., Mark II	1	—	—	—	—	—
Strikers, M.M.	{ fore-end { A.C.M.E., Mark II and II*¶	—	1	1	1	—	—
	{ M.E. rifle, Mark I	—	—	—	—	—	1
Studs, barrel, A.C., M.M., Mark II	...	1	—	—	—	—	—
Swivels	{ M.M. ...	15	15	15	15	15	15
	{ band { M.M., A.C.†	1	—	1	—	—	—
	{ M.L.M. rifle, Mark II†	5	5	5	5	5	—
Triggers	{ butt, M.L.M. rifle	—	5	5	5	5	5
	{ piling, M.L.M. rifle, Mark II	5	5	5	5	5	20
Tumblers, M.M.	{ M.M. ...	3	3	3	3	3	—
	{ M.E. rifle	—	—	—	—	—	3
Washers, bolt, stock, M.L.M. rifle	{ M.M. ...	3	3	3	3	3	3
	{ M.E. rifle	2	2	2	2	2	2

† See note “†,” page 163.

‡ Band combined with nose cap.

§ Same as screw, swivel, piling, M.L.M. rifle, Mark II.

¶ This is the only component special to these arms in this table.

**Carbines and Rifles, Magazine Lee-Metford and Magazine
Lee-Enfield.**

TABLE 2.

Articles.		Annual proportion per 1,000 Arms. §					
		Carbines, Cavalry.		Rifles.			
		M.L.M. Mark I.	M.L.E. Mark I. and I*.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I. and I*.
<i>Weedon Section.</i>							
Bands	lower, M.L.M. { rifle {			3			
	{ carbine {						
	upper, M.L.M., Mark I* ...			3			
Barleycorns,	frontsight, M.L.M. rifle, Mark I* ...			30			
Beads,	pointer, dial, { Mark I* ...			5			
	sight, M.L.M. rifle { " II* ...				5	5	5
Bolts,	{ rifle {			25			
	{ carbine {				15		
	{ " II* ...					15	15
M.L.M.	stock { No. 1 ...	15	15				
	{ " 2 ...	1	1	1	1	1	1
Bottles,	oil, M.L.M. { stoppers ...	1‡	1‡	1‡	1‡	1‡	1‡
	{ washers ...	5	5	5	5	5	5
Caps,	{ rifle {	10	10	10	10	10	10
	{ carbine {						
	{ " II† ...			1			
	{ " II† ...	1			1	1	
Cases,	magazine, M.L.M. { rifle {						
	{ carbine {			5			
Catches,	{ " II ...	5	5		5	5	5
	magazine, rifle { Mark I* ...			5			
	safety, carbine { " II ...	10	10			10	10
Cocking-pieces,	M.L.M. { rifle {			30			
	{ carbine {				30		
Collars,	screw, front, trigger guard M.L.M. ...	30	30		30	30	30
	{ " II ...	1	1	1	1	1	1
Cords,	pull-through ...	2,000	2,000	2,000	2,000	2,000	2,000
Covers,	{ bolt, breech, rifle {			5			
	{ " II ...	10	10		10	10	10
	M.L.M. { back-sight, carbine ...	6	6				
Cut-offs,	M.L.M. rifle { Mark I* ...			5			
	{ " II ...	5	5		5	5	5
Extractors,	M.L.M. rifle { Mark I* ...			20			
	{ " II ...	20	20		20	20	20
	{ rifle {			80			
Guards	hand, M.L.M. { " II ...				40	40	40
	{ carbine {						
	{ " II ...	20	20				
	trigger, M.L.M. { rifle {			1			
Gauze,	wire, pieces of ...	1	1		1	1	1
	{ carbine ...	2,000	2,000				
Heads,	bolt, breech, M.L.M. rifle {			2,000	2,000	2,000	2,000
	{ Mark I* ...	10	10	20	10	10	10
Leaves,	back-sight { M.L.M. { rifle {			5			
	{ " II ...				5	5	5
	{ carbine ...	5					
M.L.E.	carbine ...		5				
	{ carbine ...						

† Combined with upper band.

‡ For arms fitted with keeper plates; may be drawn as required.

§ See note "†," page 163.

Leaves back-sight with V in cap and slide '03 inch left are issued for rifles M.L.E. with foresights '05 inch left.

TABLE 2—continued.

§ See note "†," page 163.

Carbines and Rifles, Magazine Lee-Metford and Magazine Lee-Enfield—continued.

TABLE 2--continued.		Annual proportion per 1,000 Arms.‡					
		Carbines, Cavalry.		Rifles.			
		M.L.M. Mark I.	M.L.E. Mark I. and I*.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I. and I*.
Articles.							
Screws, M.L.M.	{ spring-trap, butt-plate ...	5	5	5	5	5	5
	{ swivel { piling rifle ...	—	—	5	5	5	5
Sears, M.L.M.	{ trigger guard, rifle, Mark I*	—	—	5	—	—	—
	{ Mark I* ...	15	15	15	15	15	15
Sights, aperture, M.L.M. rifle	{ " II ...	—	—	5	5	5	5
	{ rifle { Mark I* ...	—	—	5	—	—	—
Slides, M.L.M., back sight	{ carbine " II ...	5	5	—	5	5	5
	{ cut off, rifle, Mark I* ...	40	40	40	40	40	40
extractor	{ guard, { lower { Mark I* ...	—	—	2	—	—	—
	{ hand, " II ...	—	—	2	2	2	2
rifle { upper { " I* ...	{ " II ...	—	—	2	2	2	2
	{ link, magazine, rifle, Mark I* ...	150	150	150	150	150	150
main	{ platform, rifle { Mark I* ...	—	—	75	—	—	—
	{ magazine { carbine ...	25	25	—	25	25	25
pin, catch, safety, carbine	{ breech bolt ...	10	10	—	10	10	10
	{ retaining { band ...	5	5	5	5	5	5
sear	{ aperture, rifle ...	15	15	15	15	15	15
	{ sight { back ...	3	3	3	3	3	3
dial, rifle	{ trap, butt-plate ...	10	10	10	10	10	10
	{ rifle { Mark I* { No. 1 ...	—	—	5	—	—	—
butts { " II { " 1 ...	{ " II { " 2 ...	—	—	5†	—	—	—
	{ carbine ... { " 1 ...	5	5	—	5†	5†	5†
Stocks, M.L.M.	{ fore-end { rifle { Mark I* { No. 1 ...	5†	5†	5	—	—	—
	{ " II { " 1 ...	—	—	5†	—	—	—
carbine ... { " 2 ...	{ " 1 ...	5	5	—	5†	5†	5†
	{ " 2 ...	5†	5†	—	—	—	—
Strikers, M.L.M.	{ rifle, Mark I* ...	30	30	30	30	30	30
	{ band, rifle { Mark I* ...	—	—	5	—	—	—
Swivels, M.L.M.	{ butt ...	—	—	5†	5	5	5
	{ guard, trigger, rifle, Mark I* ...	—	—	5	—	—	—
piling, rifle { Mark I* ...	{ " II ...	—	—	30	30	30	30
	{ Traps, M.L.M., butt-plate, rifle { Mark I* ...	3	3	3	3	3	3
Triggers, M.L.M. rifle { " II ...	{ " I* ...	3	3	3	3	3	3
	{ Wads, bolt, stock, M.L.M. ...	30	30	30	30	30	30
Washers, M.L.M.	{ bolt, stock ...	2	2	2	2	2	2
	{ guard, hand, or rivet, fore-end ...	5	5	20	20	20	20
screw, fixing, dial sight, rifle	{ " " ...	—	—	3	3	3	3

* Normal, $\frac{1}{4}$ -inch long, $\frac{1}{2}$ -inch short as required.

† For arms fitted for No. 2 stock bolt, marked (2) on the right side at socket end.

‡ For rifle regiments and mounted infantry only.

§ See note "†," page 163.

Bayonets for M.E. Rifles.

TABLE 3.		Annual proportion for 1,000 arms.*	
Description.		Rifles, M.E., Mark I.	
<i>Weedon Section.</i>			
Bayonets,	{ rings, locking ...	...	1
Martini-Enfield	{ screws ...	...	3
	{ lockets, Martini-Enfield	...	1
	{ screws ...	...	700
	{ rivets ... { split	...	320
	{ T headed...	...	120
Scabbards,	{ springs ... { long, Martini-Enfield, Mark II	...	15
bayonet	{ short, Martini-Enfield	...	10
	{ tips, Martini-Enfield, long	...	10
	{ washers, brass ...	...	180
	{ M.E. leathers ...	...	5

* See note "†," page 163.

SWORD-BAYONETS, PATTERN 1888, MARKS I, II, AND III, AND SCABBARDS, SWORD BAYONET, PATTERN 1888, MARKS I AND II, AND 1903.

TABLE 4.	Articles.	Annual proportion per 1,000 arms.*	Remarks.
<i>Weedon Section.</i>			
Sword-bayonets, pattern 1888	{ bolts ...	15	{ For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
	{ grips, { Mark I and II ... pairs	5	
	{ " III... ..	5	
	{ nuts, { bolt ...	25	
	{ screw grip, Mark III ...	30	
	{ rivets, { large, Mark I and II ...	10	{ For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
	{ grip { small ,, I ...	10	
	{ screws, grip, Mark III ...	30	
	{ springs, bolt, spiral ...	15	
	{ washers, { large, Mark I and II	20	
Scabbards	{ rivet, { small, ,, I... ..	20	{ For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
	{ tips, { small, ,, I... ..	20	
	{ buttons, double, brass, patt. '88 Mark II	25	
	{ chapes { patt. '88, Mark I ...	5	
	{ " '03, ,, I ...	5	
	{ laces, iron ...	50	{ For sword-bayonets of early manufacture that have 2 small rivets and 1 large.
	{ leathers, finished { patt. '88 { Mark I ..	10	
	{ " '03, Mark I ...	10	
	{ lockets, patt. '88 { Mark I ...	3	
	{ " II, and 1903 ..	3	
	{ rivets, tip, patt. '88, Mark II ...	10	{ brass wire, No. 17, S.W.G.
	{ tags { patt. '88, Mark II ...	25	
	{ " '03, ,, I ...	25	
	{ tips, patt. '88, Mark II ...	5	

* See note "†," page 163.

Webley Pistols.

TABLE 5.

Description of Components.	Percentage allowed on the No. of Pistols on charge. (Pistol, Webley.)					Remarks.
	Mark I.	Mark I*.	Mark II.	Mark III.	Mark IV.	
Cams, cylinder	—	—	—	5	5	
Catches { barrel	5	5	5	5	5	
{ hammer	5	5	5	5	5	
Cups, countersink, for screw stock ...	5	5	5	5	5	
Hammers, Mark IV	5	5	5	5	5	
Levers { extractor, assembled	10c	10c	10d	10e	10e	
{ auxiliary, Mark II	—	5	5	5	5	
{ cam, cylinder	—	—	—	5	5	
Nuts { screw, stock	5	5	5	5	5	
{ extractor	—	—	—	5	5	
Pawls	10a	10b	10b	10b	10b	
Pins { joint, axis { Mark III	10	10	10	—	—	
{ extractor lever	10	10	10	10	10	
{ swivel, butt	10	10	10	10	10	
{ stock	10	10	10	10	10	
{ axis, cylinder	5	5	5	—	—	
{ cam	—	—	—	10	10	
{ catch { barrel	10	10	10	10	10	
{ hammer	5	5	5	5	5	
{ fixing, lever, cam, cylinder ...	—	—	—	10	10	
{ guard, trigger	5	5	5	5	5	
{ hammer or trigger	5	5	5	5	5	
Screws { lever, cam, cylinder	—	—	—	5	5	
{ pin, joint, axis	10	10	10	10	10	
{ spindle	5	5	5	—	—	
{ spring, stop, trigger	5	5	5	5	5	
{ stock	5	5	5	5	5	
{ shield	—	10	10	10	10	
{ swivel, hammer	5	5	5	5	5	
Shields	—	5d	5d	5e	5e	
Springs, catch { barrel	10	10	10	10	10	
{ hammer { Mark I	10	10	—	—	—	
{ „ II	—	—	5	5	5	
{ extractor, lever, Mark I ...	10	10	—	—	—	
{ lever, auxiliary, Mark II ...	—	—	5	5	5	
{ main	15	15	15	15	15	
{ „ auxiliary	5	5	5	5	5	
{ spindle extractor	15	15	15	—	—	
{ extractor	—	—	—	15	15	
{ stop, trigger	15	15	15	15	15	
Stop, trigger	5	5	5	5	5	
{ butt (with ring)	5	5	5	5	5	
Swivels { hammer { Mark II	5	5	5	—	—	
{ „	—	—	—	5	5	
Triggers, Mark IV	5	5	5	5	5	

a Mark I or II.

b Mark II. (Pawls of latest manufacture have the lifting points hardened, and the teeth of extractors of the latest pattern are also hardened. It is preferable that a hardened pawl should be used in conjunction with a hardened ratchet, and an unhardened pawl with an unhardened ratchet.)

c Mark I, II, or III.

d Mark II or III.

e Mark III.

Cavalry Swords and Scabbards.

TABLE 6.		No. per cent. allowed annually.	Remarks.
<i>Weedon Section.</i>			
Sword,	pattern 1890 (also for pattern 1882 and 1885)	2	N.B.—Any remaining from previous supplies to be allowed for.
	grip, cavalry pattern 1899	2	
Scabbards, sword	linings { cavalry, pattern 1885	5	And Household Cavalry, pattern 1892.
	tern 1885	5	
	linings { pattern 1899	5	
	loops, cavalry, pattern 1885, Marks I and II { back	5	
	front	5	
	mouthpieces, cavalry, pattern 1885, Marks I and II { Mark I	2	
	Mark II	2	
	screws, mouthpiece, cavalry, pattern 1885, Marks I and II	10	
	tips, shoe, cavalry, pattern 1885, Marks I and II	10	
	No. 9 W.G. soft (for rivets, grip)	1	
Wire, armourers, iron, lbs. { No. 12 W.G. soft (for rivets, loop)		1	And Household Cavalry, pattern 1892.
Washers, rivet, sword, cavalry, pattern 1899		12	

Lances.

TABLE 7.	Description.	No. per cent.	Remarks.
<i>Weedon Section.</i>			
Dees (brass, $\frac{1}{2}$ -inch)		5	N.B.—Any remaining from previous supplies to be allowed for.
Laces for flags		15	
Protectors, leather, for stave of lance		30	
Slings		10	
Thongs		20	
<i>Woolwich Section 7.</i>			
Wire, copper, No. 8 W.G. (for fastening dees), lbs.		1	

Tubes, Aiming.

TABLE 8.		Annual supply for		Remarks	
Description.		10 tubes or less.	From 10 to 20 tubes.		
Weedon Section.				N.B.—Any remaining from previous supplies to be allowed for.	
Components.					
Tubes, aiming	breech-pieces, M.M.	1	1	‡ For M.-L.-M. tubes only. For M.-L.-M. and M.-L.-E. rifle and carbine tubes.	
	set nuts, M.-L.-M.†	...	1		
	Washers. { gunmetal†	...	1		
	M.-L.-M. { leather§	2	5		
	packing	2 per tube	2 per tube		
	Appurtenances.				
	brushes, cleaning (carbine and rifle)¶	1 per tube	1 per tube	§ For M.-L.-M. and M.-M. tubes. ¶ For M.-L.-M. tubes.	
	rods, cleaning { carbine*	1	1		
		rifle¶	1	1	

† For M.-L.-M. tubes only.
 For M.-L.-M. and M.-L.-E. rifle and carbine tubes.

§ For M.-L.-M. and M.-M. tubes.
 ¶ For M.-L.-M. tubes.

II. MATERIALS FOR BROWNING ARMS.

A biennial supply for rifles, carbines, and pistols, in accordance with paragraph 361.

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Table 9.	Quantity.			Remarks.
	800 arms.	600 arms.	500 arms.	
<i>Weedon Section.</i>				
Brushes, hard, armourers' ..	3	2	2	3 } For every 1500 or 1 } less, stand of arms.
Stalls, india rubber, { finger..	..	..	..	
	..	..	..	
<i>Woolwich Section No. 7.</i>				
Brushes, hair, flat, $\frac{1}{2}$ -in. ..	1	1	1	Includes 1 oz. for every 100 stand of arms, for cleaning barrels.
† Card, scratch yards	3	2	1 $\frac{3}{4}$	
† Cloth, { No. F quires	4	3	2 $\frac{1}{2}$	
{ „ 2 „	2	1 $\frac{1}{2}$	1 $\frac{1}{4}$	
Dust, bone lbs.	5	4	3 $\frac{1}{2}$	
Paper, { No. 1 $\frac{1}{2}$ quires	2	1 $\frac{1}{2}$	1 $\frac{1}{4}$	
{ „ 3 „	2	1 $\frac{1}{2}$	1 $\frac{1}{4}$	
† Powder, emery, flour.. .. ozs.	24	18	15	
<i>Woolwich Section No. 9.</i>				
Spelter, brass ozs.	8	6	5	For soldering.
Tin, grain lbs.	1	1	1 $\frac{1}{8}$	
<i>Woolwich Section No. 11.</i>				
Borax, refined ozs.	8	6	5	3 per 100 stand of arms browned by armourer. $\frac{1}{2}$ for every 100 stand of arms, for cleaning bore of barrels.
Glue, best town made .. lbs.	4	3	2 $\frac{1}{2}$	
Methylated Spirits .. pints.	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{2}$	
† Oil, { Rangoon .. pints	..	..	..	
	..	..	..	

† Where sword bayonets, pattern 1888, Mark III are in possession, the following additional quantities are allowed:—

	Quantity.		
	800 arms.	600 arms.	500 arms.
Flannel, white yards	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$
Card, scratch	1	1	1
Cloth, emery { fine quires	1	1	1
{ middling	1	1	1
Powder, emery, flour... .. ozs.	4	3	2

‡ The following quantities of oil, &c., will be issued for the cleaning, biling, and (EQ. R.)

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Materials for Browning Arms—continued.

Table 9—contd.	Quantity.			Remarks.
	800 arms.	600 arms.	500 arms.	
Woolwich Section No. 11—contd.				
Resin, black ozs.	8	6	5	For cleaning barrels. 3 per 1,000 arms on charge, for the tempo- rary blacking of sights and parts of arms.
Sal-ammoniac, in lumps ..	2	1½	1⅞	
† Soda, crystals lbs.	144	108	90	
Shellac, liver ozs.	..	..	..	
Woolwich Section No. 27.				
|| Flannel, white .. yards	..	..	..	1 for every 2,000 stand of arms.
Woolwich Section No. 30.				
Sheeting, old lbs.	24	20	16½	
§ Mixture, browning	..	..	..	

preservation of small arms, including pistols, at home stations and in the Dominion of Canada in time of peace:—

MINERAL JELLY.

For every 100 stand of arms, 95 lbs. annually. (This will also be allowed for arms of regimental districts in constant use.)

At stations abroad, except in the Dominion of Canada, mineral jelly will be issued in the following proportions:—

100 lbs. for every 100 stand of arms per annum at Gibraltar, Malta, Egypt, and South Africa; 112 lbs. at Straits Settlements, Mauritius, Ceylon, Hong Kong, Bermuda, Barbados, Jamaica; and 144 lbs. at West Coast of Africa.

The above allowance of mineral jelly will include the quantities required for filling the oil bottles.

RANGOON OIL.

Nine pints of Rangoon oil per 100 rifles, carbines, or 200 pistols per annum, will be allowed for lubricating the actions, for which purpose rifle oil is on no account to be used, and 1 pint for removing rust from the barrels of these arms.

No oil, except that supplied by the Army Ordnance Department, will be applied to the arms under any circumstances.

In cold climates. "Oil, petroleum, Russian, lubricating," should be drawn in lieu of Rangoon oil for lubricating the actions of rifles, carbines, or pistols, when the temperature is likely to fall below 10° F. In the event of "Oil, petroleum, Russian, lubricating," not being obtainable, ordinary paraffin oil may be used.

COMPOSITION, PRESERVING ARMS, OR A MIXTURE OF 95 PER CENT. MINERAL JELLY, AND 5 PER CENT. BEESWAX.

In the West Indies, Bermuda, West Coast of Africa, Mauritius, Hong Kong, and Singapore, arms will be greased, between fore-end and barrel, quarterly, with "Composition, preserving arms," or mineral jelly, thickened with beeswax. For this service 32 lbs. of mixture and 16 lbs. extra of beeswax for every 500 arms per annum will be allowed. At Ceylon the arms will be greased in this way quarterly during nine months of the year, and once a month for the remaining three months; and 48 lbs. of mixture and 24 lbs. extra of beeswax will be supplied for 500 stand of arms. At other stations the arms will be greased once a year with "composition, preserving arms," or a mixture of 95 per cent. mineral jelly and 5 per cent. beeswax only, and 2 lbs. of the mixture for every 100 stand of arms will be allowed.

† 1½ lbs. to each gallon of water. The quantities shown are the maximum allowance, but no more should be used than is actually required to remove the grease.

§ Browning mixture is supplied in the proportions described in Instructions for the care, repair, and browning, &c., of Arms and Bayonet Scabbards, in the Instructions for Armourers.

† See Note † on p. 171.

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III. MATERIALS FOR CLEANING ARMS.

Annual Supply—Peace only. (Referred to in paragraph 361.)

Oil (*See allowance given in Table 9, foot-note †*).Sheeting, old, $1\frac{1}{2}$ oz. For each Webley pistol.

Flannelette (4 ins. wide)	{	8 yards.	{	For each '303 rifle in possession of units of Cavalry, Horse and Field Artillery, and Infantry, and each carbine of West African Regiment (except dismounted officers and staff serjeants.)	57
		4 „		For each '303 rifle and carbine in possession of other units, and each carbine of dismounted officers and staff serjeants of infantry units (including West African Regiment.)	Gen. No. 4652
Wire, brass, No. 26	{	W.G., hard, 3-inch	{	2 per 100 arms, for use with cleaning rods Nos. 2 and 3, and rod, cleaning cylinder, pistol, Webley.	57
lengths, oz.				1 per 200 arms, for use with cleaning rod, No. 1.	Sierra Leone 2131
Jute, dressed hanks	{				

In addition to the above, 10 lbs. of old sheeting will be allowed for the use of the armourer.

In the case of Royal Artillery, when arms are examined by the armourer-serjeant, he should be provided with $\frac{1}{16}$ th of a pint of rifle oil, or 2 oz. of mineral jelly, for every 16 stand (or less) of arms, out of the annual allowance of oil, or mineral jelly.

Three months' War Supply

NOTE.—This scale is inserted as a guide when making demands. On active service the stores will be issued as local circumstances require.

Oil, &c.	{	Rangoon, 12 pints per regiment of cavalry and battalion of infantry or 1 pint per 100 arms for other units.	{	Allowance for 2 pistols to be as for 1 rifle or carbine. "Oil, petroleum. Russian, lubri- cating," may be drawn in lieu of Rangoon oil, as stated in the note to Table 9 on previous page.
		Rifle, 18 pints, or mineral jelly, 36 lb. per 100 stand of arms.		
		Flannelette (4 inches wide), 225 yards per 100 rifles or carbines.		

Sheeting, old, 3 lbs. per regiment of cavalry or battalion of infantry.

Wire, brass, No. 26	{	2 per 100 arms, for use with cleaning rods,
W.G., hard, 3-inch		Nos. 2 and 3, and rod, cleaning cylinder,
lengths, oz.		pistol, Webley.

Jute, dressed .. hanks	{	1 per 200 arms for use with cleaning rod,
		No. 1.

Scale for arms of patients admitted to field hospitals on manœuvres :—

Flannelette (4 inches wide)	75 yards	} per field hospital.
Pull-throughs	2 „	
Rifle oil, or }	6 pints	
Mineral jelly }	12 lb.	

Annual supply—

Pullthroughs, double.

Peace and War.

Pullthroughs, double	10	} per 1,000 arms. To be supplied to and used by armourers only.
„ „ cords (spare)	10	
„ gauge wire	20	

IV. MATERIALS FOR REPAIR OF SCABBARDS, SWORD-BAYONET, PATTERN 1903.

Biennial supply—Peace only.

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	800	600	500
<i>Woolwich Section No. 7.</i>			
Brushes, hair, flat $\frac{1}{2}$ -in.	1	1	1
<i>Woolwich Section No. 11.</i>			
Methylated spirits ozs.	10	8	8
Shellac, liver „	2	1½	1½

V. MATERIALS FOR TESTING ACTIONS OF ARMS.

Peace and War.

Cartridges, S.A. dummy, drill, .303-inch rifles or carbines. }	20 per regiment of cavalry or battalion of infantry.
--	--

May be replaced at public expense, when condemned as unserviceable, through fair wear and tear, in testing service arms.

APPENDIX VIIIA.

(Referred to in paragraph 154.)

INSTRUCTIONS RELATING TO HARNESS AND SADDLERY
STORED FOR REGISTERED HORSES, ON MOBILIZATION.

1. The proportions of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization, are detailed in the following tables, with instructional notes :—

Extending Pieces, &c.

 (§ 7166, *List of Changes*.)

Description.	For universal saddles.	For artillery draught (horse and field batteries only).	For ammunition columns and parks, also transport draught.
	Per cent.	Per cent.	Per cent.
Bits, snaffle, van	...	...	20*
Breeching, Army Service Corps pattern—			
Straps, extending	...	...	40
Girth, luggage—			
Pieces, extending (for all sizes of girths)...	10	20	40
Surcingle, leather, harness—			
Straps, extending	10	20	40
Straps, hame (30-inch)	...	100	100

* In lieu of similar numbers of reversible bits. With the snaffle van bits, the reversible bridle-head is necessary

Bit, Snaffle.

2. The snaffle bit is a strong double-ring pattern with twisted mouthpiece. It will be used with horses in transport not accustomed to work in portmouth bits, or that require a larger mouthpiece than the 5½-inch, No. 2 (largest size) portmouth reversible bit.

Breeching, Army Service Corps.—Strap, Extending.

3. The strap is 1½ inches in width and 13½ inches in length, and fitted with a 1½-inch buckle to take the breeching strap.

These straps will be required with the Army Service Corps new-pattern breechings when used on heavy van horses, as the breeching straps will be found too short to permit of their being bent back and buckled after passing through the squares in the leather parts of the traces.

Two straps will be required with each breeching, one on each side, if any extension of breeching is necessary, to allow the seat of breeching and the hip straps to work evenly.

NOTE.—The extending straps are not intended to take the place of the short breeching straps mentioned in *List of Changes*, § 7096.

Girth—Piece, Extending.

4. The extending piece for luggage girth is 12 inches in length, fitted with two 1-inch buckles, and split into two 1-inch straps to buckle into the girth. It will suit any of the girths mentioned in the following table of girths.

The extending pieces will be found unnecessary in some cases after a few days' wear. See page 178, with reference to stretching of leather.

Girths.
(§ 7136, List of Changes.)
Percentage of sizes.

5.	Pattern and size.	Universal saddlery.			Harness.	
		Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, transport and ammunition columns and parks.
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	Small (30-inch) ...	...	100	...	...	...
	Medium (34-inch) ...	100	...	70	60	30
	Large (38-inch) ...	...	...	30	40	70
	Luggage (48-inch)*	...	...	...	...	...
		100	100	100	100	100

* All luggage saddles.

No girths having $1\frac{1}{2}$ -inch buckles are to be held in mobilization stores.

Surcingle.—Strap, Extending.

6. The strap for extending surcingle is 13 inches in length, fitted at one end with a buckie, and suitably punched at the other end.

The service surcingle is issued in one length for all services. The strap is set back on the body 5 inches to allow it to be lengthened regimentally by re-sewing the strap nearer the point, when necessary. But as this cannot be done on mobilization, extending straps are provided.

Strap, Hame, 30-inch.

7. The strap hame for future manufacture will be 30 inches. This length only will be held in mobilization stores.

8. Bits, Portsmouth.
Percentage of sizes.

Pattern and size.	Saddlery.				Harness.	
	Officers.	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, transport, and ammunition columns and parks.
Cavalry, (small ...	...	10	...	...	...	...
Mark II. medium ...	...	60*	...	...	...	...
large ...	...	30*	...	...	...	...
Reversible—						
M. size ...	100	...	...	50*	20	...
L. size ...	...	...	...	50*	80	100
S. size ...	...	...	100†	...	...	...
	100	100	100	100	100	100

* These will not be placed in mobilization stores for use with saddlery until the store of bits, portsmouth, saddlery, is exhausted. One size only of the latter pattern is kept.

† Also 5 per cent. of "Bits, bridoon, pattern 1884," with chains of five links.

‡ New pattern Army Service Corps and Royal Artillery pole-draught sets of harness only are to have this pattern of bit for the present. The portsmouth bit is to be used in lieu for other draught services until existing stock is exhausted.

9.

Collars, Head.
Percentages of sizes.

Pattern and size.	Universal saddlery.			Harness.	
	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, and transport
Cavalry { small	80	100	10	10	...
{ large	20	...	90	90	...
Royal Artillery pattern	...	...	*	*	...
Army Service Corps pattern	...	...	...	...	100
	100	100	100	100	100

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* The R.A. pattern will be issued until store is exhausted, and the Mark III to all services except with A.S.C. harness.

Cruppers and Dock-pieces.

10. Only 6 per cent. of the Army Service Corps pattern harness cruppers are to have dock-pieces.

Dock-pieces of General Service cruppers, when issued, need not be used, but turned up.

Leathers, Stirrup.

11.

Percentages of sizes.

Sizes.	Universal saddlery.			Harness.
	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Drivers'.
Short	80	100	50	100
Long	20	...	50	...
	100	100	100	100

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Neck-collars and Hames.

12. The registered horses will bring their own neck-collars, for use if a service collar cannot be fitted suitably for immediate work.

For tables of percentages of service collars *see* paragraph 153.

The sizes of service hames differ by inches from 22 to 25 inches.

The service neck collars differ in sizes by half inches, and vary from 20 to 25½ inches.

Service hames of suitable sizes and of the patterns described in §§ 7883 and 7884, *List of Changes*, i.e., the General Service, Mark III., the Pole-Draught, and the Army Service Corps patterns, with detachable hame-chains, will fit any civilian pattern or service collar.

The size of hame need not necessarily correspond with the size of collar. Each service hame will generally fit a collar two sizes below or above its own marked size, civilian pattern pipe-collars excepted.

A pipe-collar is closed at the top, and is V-shaped at the throat. The shape of the throat necessitates a full-sized hame being used, so as to place the draught-arm sufficiently high.

Pads, Collar, Zinc.

13.

Percentages of sizes.

Pattern and size.	For neck collars.		Remarks.
	Up to 21½ inches.	22 inches and upwards.	
Mark II. { small { large	100 ...	... 100	A 23-inch collar narrow at the top will take a small size pad.

Pannels, Hair, for Luggage Saddles.

14. Hair pannels flatten after a few days' wear, and in consequence the girths will then be worn two or three holes shorter than originally fitted.

The saddle blanket must not be carried under the saddle with hair pannels, as it will raise the saddle too high off the animal's back, and cause the girth and surcingle to be too short. It will be carried in the vehicle, when pannels are in use.

Saddles.

Percentages of sizes.

15.

	Universal Sizes.				Total.	Harness.			
						Drivers'.		Luggage.	
	0 S. ||	1 M. ||	2 M. ||	3 L. ||		Large.	Small. *	Large.	Small. †
Cavalry	...	40	50	10	100	...	...	...	...
Mounted Infantry	100†	...	...	...	100	...	...	...	...
Royal Horse Artillery	...	20	50	30	100	100	...	100	...
Field Artillery, Royal Engineers, Army Service Corps, and Regi- mental Transport	...	10	50	40	100	100	...	100	...

* For cobs only, 100 per cent.

† For machine-gun Infantry and mule harness only, 100 per cent.

‡ Only when horsed with animals under 15 hands (cobs).

|| 1902 pattern sizes are S. M. and L.

Stretching of Leather.

16. It should be noted that all new leather subject to strain elongates from ½ an inch to 1 inch in 12 inches, according to width and

substance, and whether it is subject to strain when wet from sweat or rain.

Bit-heads, throat-lashes, breast-plates, girths, and surcingles will stretch to the maximum.

Punching Straps.

17. In punching straps the correct size of punch should, whenever possible, be used, so that holes similar to those already in the straps may be made.

Where it can be done without spoiling the appearance of the strap by punching too near the point, a spare hole or more should be punched above or below that in use.

Ropes, Head.

18. These are to be held as camp equipage only, on active field service; and, on mobilization, omitted from the sets of harness and saddlery.

Ropes, Heel.

19. For active field service, 25 per cent. will be stored for restive horses.

Rings, Clip.

20. When hames are not fitted with terret-rings for long-rein driving, clip rings—to be closed on the top eye of the hames—are to be used for that purpose, and will be stored accordingly with the sets of harness for mobilization, at the rate of four rings per set of long reins.

Straps, Back.

21. When back-pads are not stored with the sets of harness, two backstraps per set of long reins are to be used in long-rein driving, and stored accordingly.

APPENDIX VIIIb. DETAILS OF HARNESS AND SADDLERY.

SADDLERY—Officers'.

Sets.

TABLE I.		R.A., R.E., A.S.C., and Mounted Infantry.		Remarks.
		Peace.	War.	
<i>Woolwich Section, No. 2.</i>				
Ropes, head, cotton, with leather billet	1	—	Personal equipment only. For camp and war the G.S. pattern will be used. See para. 2 of Instructions at end of table.	
<i>Woolwich Section, No. 6.</i>				
SADDLERY, OFFICERS'.				
Bits {	bridoon, with reins ..	1	1	When reversible bit is issued.
	port- { reversible ..	1	1	
	mouth, { reversible, heads, bridle ..	1	1	
Cases, horse- {	near	1	1	Only issued with "bits, portmouth, with bridle- head."
	shoe { off	1	1	
Chains, curb..	1	1		
Collars, head	1	1	5 per cent. may be issued.	
Cruppers	—	—		
Girths, web	2	2		
Leathers, stirrup	2	2		

SADDLERY—Officers'—continued.

TABLE 1—continued.	R A., R.E., A.S.C., and Mounted Infantry.		Remarks.	
	Peace.	War.		
<i>Woolwich Section No. 6</i> —continued.				
Reins , portmouth bit	1	1	Steel arch, universal, O size, to be issued when animals are under 15 hands. “R.A.” pattern for R.A. and R.E.; “transport” pattern for A.S.C.	
Saddles	1	1		
Skins , lamb	1	—		
Straps , cloak, { and wallet..	2	2		
{ centre ..	1	1		
Surcingles , leather.. ..	1	1	ARTICLES OF G.S. HARNESS, AND UNIVERSAL SADDLERY.	
Wallets pairs	1	1		
<i>Woolwich Section No. 5.</i>				
Bits , portmouth, reversible, M size	1	1		Except S. (small) or L. (large) are specially de- manded. Not supplied until store of “Bits, port- mouth,” is exhausted.
<i>Woolwich Section No. 6.</i>				
Blankets , saddle	1	1	See para. 1 of instructions below.	
Irons , stirrup, G.S.	2	2		
Numnahs , felt	1	1		
Pannels , numnah .. pair	1	1		
Protector , cape	1	—		
Runners , stirrup - leather, 1 $\frac{1}{8}$ -inches	2	2		
Straps , baggage	3	3		

Instructions.

1. The ends of side bars of officers saddles should be slightly reduced in length if necessary to fit the numnah pannels.
2. Head-ropes are not included in sets of saddlery for war but under camp equipment.

SADDLERY—Officers' New Pattern.

(See paragraphs 220 and 220A).

Sets.

For all officers who are entitled to the use of chargers under paragraphs 606 or 607, Allowance Regulations, 1903, but the present stock of officers' saddlery (Table 1) will be issued to R.A., R.E., A.S.C., and Mounted Infantry, for whom they were provided, until exhausted.

TABLE 1a.	Peace.	War.	Remarks.
<i>Woolwich Section No. 2.</i>			
Rope , head, cotton, with leather billet	1	..	G.S. pattern for camp and war, which are included in camp equipment.
<i>Woolwich Section No. 6.</i>			
SADDLERY—OFFICERS'.			
Bits , { bridoon with reins..	1	1	
{ portmouth, reversible, heads, bridle	1	1	L. or S.
*Cases , { near Mark III	1	1	
{ horseshoe { off Mark II ..	1	1	
*Collars , head, Mark II ..	1	1	L. or S.
*Girths , web, Mark III, pair	1	1	L. or S.
*Leathers , stirrup, Mark II	2	2	
Reins , portmouth bit ..	1	1	
*Runners , stirrup leather 1 $\frac{7}{8}$ inches	2	2	
*Saddles , universal, Mark IV (with pannels)..	1	1	L. or S.
{ lamb	1	..	For Dragoon Guards, Dragoons, Lancers, 14th Hussars, R.A., R.E., Rifles, and A.S.C.
Skins , { leopard	1	..	For Hussar Regiments, except 14th Hussars.
Straps , { and wallet, Mark II	2	2	
{ cloak, { centre	1	1	
Surcingle s, leather.. ..	1	1	L. or S.
*Wallets , Mark III pair	1	1	

* New pattern introduced per List of Changes. § 11954 January, 1904.

SADDLERY—Officers' New Pattern—continued.

TABLE 1a—continued.	Peace.	War.	Remarks.
<i>Woolwich Section No. 5.</i>			
HARNESS, G.S.			
Bits, portmouth, reversible	1	1	M. or S.
<i>Woolwich Section No. 6.</i>			
SADDLERY, UNIVERSAL.			
Numnahs, mark VI ..	1	1	
Protectors, cape ..	1	..	
Stirrups, nickel ..	2	2	
Straps, baggage ..	3	3	

Officers' saddles, bridle heads, head collars, and surcingles of the above set are issued in two sizes: "large" size for horses and "small" size for cobs.

The girths are in long and short sizes.

The reversible bits are stored in three sizes: small, medium, and large; "medium" size for horses, and "small" size for cobs; the "large" size, having a $5\frac{1}{2}$ -inch mouthpiece, is principally for draught horses.

SADDLERY.—Household Cavalry.

Sets.

TABLE 2.				Peace.	War.	Remarks.
SADDLERY, HOUSEHOLD CAVALRY.						
<i>Woolwich Section No. 6.</i>						
54 Cavalry 428	Bits,	bridoon, with head and reins	1	1		Sizes as may be required. If "high port" bits are desired they may be drawn in proportions as considered necessary up to a total of 10 per cent.
		portmouth	1	1		
	Breast-plates	.. ..	1	1		Not required with those sets having breast-piece.
	Chains, collar	.. ..	1	—		Head-rope instead for war. See Instructions at end of table.
	Cheek-pieces	.. ..	2	2		Per portmouth bit.
	Collars, head,	{ parade	1	—		
		{ stable	1	—		
	Cruppers	.. ..	1	1		When required.
	Frogs, sword, saddle	.. ..	1	1		
	Girths, web	.. ..	1	1		
	Head-pieces	.. ..	1	1		
	Numnahs,	.. ..	1	1		
	Ornaments, stirrup-leather	.. ..	2	2		
	Reins, portmouth bit	.. ..	1	1		
	Skins,	{ lamb, white	1	—		2nd L.G. 1st L.G. and R.H.G.
		{ sheep, black	1	—		
	Straps, shoe-case	.. ..	1	1		
ARTICLES OF SADDLERY, UNIVERSAL.						
	Blankets, saddle	.. ..	1	1		
	Breast-pieces	.. ..	—	—		4 per squadron.
	Buckets,	{ rifle	1	1		1 per set, except for W.O. and N.C.O. armed with pistols.
		{ lance	—	—		2 per exercise lance, for peace only.
	Cases, horse-shoe, saddlery	.. ..	1	1		
	Collars, head, mark III	.. ..	—	1		
	Irons, stirrup, G.S., Mark II	.. ..	2	2		Until stock is exhausted, then "stirrups, nickel."
54 Cav.	Leathers, stirrup	.. ..	2	2		L. size.
604	Wartingales	.. ..	—	—		5 per cent. Peace only.
	Pannels, numnah	.. pairs	1	1		

SADDLERY—Household Cavalry—continued.

TABLE 2—continued.	Peace.	War.	Remarks.
<i>Woolwich Section No. 6</i> —continued.			
Protectors , cape	1	—	
Saddles , steel-arch, Patt. '90	1	1	Until stock is exhausted, then pattern 1902 with its pannels. Sizes as may be ordered.
Straps , { baggage	2*	2*	
{ „ and lance	1*	1*	
{ cloak, { and wallet	2	—	
{ centre ..	1	—	
{ supporting, { front	—	—	8 per squadron.
{ rear	—	—	4 „
{ trace	—	—	8 „
Surcingles , leather	1	1	
Traces , saddlery .. pairs	—	—	4 „
Tugs , trace	—	—	8 „
Wallets , steel-arch saddles pairs	1	—	

* Per N.C.O. and man.

Instructions.

Head-ropes are not included in sets of saddlery for war, but under camp equipment.

SADDLERY—Universal.

For Cavalry, Royal Artillery, Royal Engineers, Mounted Infantry, and Army Service Corps.

*(Infantry Regimental Transport—Set as for R.A.)***Sets****TABLE 3.**

	Cavalry, R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	
<i>Woolwich Section No. 2.</i>					
Ropes, head, hemp, with ring ..	1	—	1	—	In war this forms part of Camp Equipment.
<i>Woolwich Section No. 5.</i>					
Bits, portmouth, { reversible, .. heads, bridle ..	—	—	1	1	S. size. Until stock is exhausted, then "bridle, portmouth."
Girths, luggage	—	—	—	—	When specially demanded for Mounted Infantry in possession of the Yeomanry saddle for use with cobs, in lieu of girths, pattern 1884.

53

Gen. No.

8784

Woolwich Section No. 6.

Bits, { bridoon, pattern 1884 portmouth, saddlery, with bridle head and reins	..	1	1	*	*	Until stock is exhausted, then "bit, bridoon, nickel," with "head, bridoon." *5 per cent. only allowed, these to have chains of 5 links. Until those in use are worn out, then reversible, except for Cavalry, who will receive Cavalry, Mark II, or "cavalry, nickel, with bridle portmouth."
	..	1	1	—	—	
Blankets, saddle	..	1	1	1	1	See note against "pannels."
Breast-pieces..	..	1	1	—	—	Except R.A., R.E., and all warrant officers A.S.C., on Transport rolls. For Cavalry, 4 per squadron only. Not allowed for mounted sappers R.E.
Breast-plates, pattern 1884..	..	—	—	—	—	Staff serjeants and trumpeters R.A. (also R.A. mounted band), R.E., and all warrant officers A.S.C., on transport rolls, also 10 per cent. for other ranks not using breast-pieces except R.A. Not allowed for mounted sappers R.E. When stock is exhausted Mark II.
Buckets, carbine, magazine ..	..	—	—	—	—	For T.B., R.E., 1 per riding horse for pence; for war, 1 per riding horse, except those of N.C.O.'s armed with pistols, and trumpeters. For Field Troop, R.E., 1 per set of saddlery, except N.C.O.'s armed with pistols, and trumpeters.

54
Art.
2246
54
Engrs.
529
54
Cavalry
502

79
320

SADDLERY—Universal—continued.

TABLE 3—continued.

TABLE 3—continued.		Cavalry, R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
		Peace.	War.	Peace.	War.	
<i>Woolwich Section No. 6—continued.</i>						
Buckets,	{ lance	2	—	—	—	For regiments armed with lances (Hussar regiments will be supplied with 2 per exercise lance only); and 1 per set of saddlery for signallers, T.B., R.E. Mark I for lancers' stirrup-irons; and Mark II for G.S. stirrup-irons, Marks I and II; and for lancers' stirrup-irons with loop removed. For Cavalry, 1 per set saddlery, except for bandmasters, sergeant-master tailor, band, and ranks armed with pistols, also for infantry transport sergeants. 1 per set of saddlery, Field Troop, R.E., only (except staff-serjeants and trumpeters).
	{ rifle	—	—	1	1	
	{ tool	1	1	—	—	
Cases, horse-shoe, saddlery, pattern 1884		†	†	1	1	† 1 only for Cavalry, 2 for R.E., and A.S.C.
Collars, head, Mark III		1	1	1	1	Sizes as may be ordered Small size for M.I. Until stock is exhausted, then throat strap and bridle.
Cruppers, saddlery		—	—	—	—	For 5 per cent. of saddles.

54
Gen.No.
9293

54

Gen. No.
9293

Artillery 51 602	Frogs, sword, saddle, cavalry, line ..	1\$	1\$	1||	1||	
54 Cavalry 601	Girths, leather, pattern 1884 ..	1	1	1	1	\$ For R.E., and A.S.C., 1 per cavalry sword. || For N.C.O. only, when armed with sword. Frogs, saddle, farriers', will be issued in lieu to farriers until stock is used up. Small size for M.L., medium size for light cavalry. 80 medium and 20 large size for heavy cavalry. For R.A., R.E., and A.S.C., sizes as ordered. Until stock is exhausted, then "stirrups, nickel." Short size, pattern 1884, for M.L. For Cavalry, R.A., R.E., and A.S.C., sizes as ordered. 5 per cent. for Cavalry and Mounted Infantry, peace only.
	Irons, stirrup, G.S. ..	2	2	2	2	
	Leathers, stirrup ..	2	2	2	2	
	Martingales ..	—	—	—	—	
	Numnahs, Mark VI ..	1	1	1	1	
Pannels, {	saddles, universal pairs	1	—	—	—	Iron or wood-arch pattern, as necessary. To be replaced by blanket saddle, when universal pannels now in use are worn out. See para. 1 of Instructions at end of table. For 50 per cent. of saddles, for use with blanket (24 pairs only for R.H.A. battery). One pair per saddle for Pattern 1902 saddles.
	numnah ..	1	1	1	1	
	Protectors, cape ..	1	—	1	1	Until stock is exhausted, then "Reins, bridoon and portmouth." ¶ For 5 per cent. of saddles. ** For R.A., R.E., and A.S.C. only, when reversible bit is used.
Reins, {	bridoon, pattern 1884 ..	1	1	1	1	
	reversible bit ..	1**	1**	1	1	
Runners, stirrup-leather Saddles, universal, with attachment ..	..	2	2	2	2	
	V-girth ..	1	1	1	1	Until stock is exhausted, then Pattern 1902, with its pannels. O size for Mounted Infantry only. Other units, sizes as may be ordered. "Steel arch" for Cavalry and Mounted Infantry.

(EQ. P.)

SADDLERY—Universal—continued.

TABLE 3—continued.		Cavalry, R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
		Peace.	War.	Peace.	War.	
<i>Woolwich Section No. 6—continued.</i>						
54 Engns. 529	Straps, { baggage " and lance.. lance-bucket .. shoe-case, pattern 1884 .. supporting, { front { rear.. trace throat	{ 2† 3†	3	3	3	†Cavalry only.
		1†	—	—	—	†Except Cavalry. 1 per lance bucket. Mark I for Mark I bucket, and Mark II for Mark II bucket.
		2	—	—	—	§ 1 for Cavalry, 2 for R.E. and A.S.C. For each breast-piece issued.
		§ 2 1	§ 1	— —	— —	} For each pair of traces, saddlery, issued. When "Bridle, portmouth" is issued.
54 Gen. No. 8215	Surcingle, leather, saddlery .. Traces, saddlery pairs	2	2	—	—		4 per squadron for Cavalry. Not required with breastplates, nor for Mounted Sappers R.E.
		1 1	1 1	1 1	1 1	For each pair of traces, saddlery, issued.
8893	Tugs, trace	2	2	—	—	

* In service and depot batteries of R.H.A. and R.F.A. and ammunition columns 2 breastpieces and 2 pairs of traces, saddlery, only per gun and ammunition wagon limber are allowed.

SADDLERY—Universal—continued.

Table 3—continued.		Cavalry, R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
		Peace.	War.	Peace.	War.	
SPECIAL FOR MOBILIZATION STORAGE.						
<i>Woolwich Section No. 5.</i>						
Girths, luggage, pieces, extending ..	1	1	1	1	1	For 10 per cent. of saddles for all sizes of girths.
<i>Woolwich Section No. 6.</i>						
Surcingles, leather, saddlery, straps, extending	1	1	1	1	1	For 10 per cent. of saddles.

HARNES—General Service.

For R.A. (Shaft-draught), R.E., A.S.C., and Cavalry and Infantry Regimental Transport, as may be ordered.

Sets.

TABLE 4.

TABLE 4.	Peace.		War.		Remarks.
	Per single set of Harness.				
	*Lead.	Wheel.	*Lead.	Wheel.	
	Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 2.</i>					* These columns refer to R.A. (shaft-draught) only.
Ropes, head, hemp, with ring ..	1	1	1	—	See para. 7 of Instructions at end of table.
<i>Woolwich Section No. 5.</i>					
HARNES, G.S.					
Bands, back, 2½-inch ..	—	—	1	1	Except for A.S.C. and regimental transport when O.P. luggage saddles are in use.
BHs, port-mouth { harness, with bridle-head..	1	1	1	1	{ Until existing store is exhausted, the harness pattern, then reversible; sizes as per table, para. 8, Appendix VIIIA. See para. 1 of Instructions at end of table.
..	—	—	—	—	
..	—	—	—	—	
..	—	—	—	—	

HARNESSES—General Service—continued.

TABLE 4—continued.

	Peace.		War.		Remarks.
	Per single set of Harness.				
	*Lead.	Wheel.	*Lead.	Wheel.	
	Off.	Near.	Off.	Near.	Off.
	Near.		Near.		Near.
<i>Woolwich Section No. 5—contd.</i>					
HARNESSES, G.S.— <i>continued.</i>					
Pannells, { I.A. or W.A. saddles, luggage, drivers' luggage numnah, pairs	—	—	1†	—	1
	—	—	—	—	—
	—	—	1	—	1
	1	1	1	1	1
Pieces, buckling 1½-inch	2	†	†	2	†
Reins, bearing, Mark II..	2	†	†	2	†

* These columns refer to R.A. (shaft draught) only.

† Wood-arch O.P. will be issued, except for R.A., until stock is exhausted, and must always be worn with O.P. saddles. Hair, or numnah pannels, must always be worn with luggage saddles.

R.A. only at the rate of 10 per cent. for peace and war, for use with blanket.

* In lieu of hair pannels when stock of latter is exhausted.

1 per neck collar. R.A. and R.E. only.

{ 1 leading rein, in lieu of 1 bearing rein, per off set having 2 reins, will be issued until stock is exhausted.

See L. of C. § 8274.

† 2 near and 2 off for R.A. and R.E.

1 " 1 " cavalry of the line, infantry, and A.S.C.

* These columns refer to R.A. (shaft draught) only.
† Wood-arch O.P. will be issued, except for R.A., until store is exhausted, and must always be worn with O.P. saddles.
Hair, or numnah pannells, must always be worn with luggage saddles.
R.A. only at the rate of 10 per cent. for peace and war, for use with blanket.
In lieu of hair pannells when stock of latter is exhausted.
1 per neck collar. R.A. and R.E. only.
1 leading rein, in lieu of 1 bearing rein, per off set having 2 reins, will be issued until stock is exhausted.
See L. of C. § 8274.
† 2 near and 2 off for R.A. and R.E.
1 " 1 " cavalry of the line, infantry, and A.S.C.

HARNESS—General Service—continued.

TABLE 4—continued.		Peace.		War.		Remarks.	
		Per single set of Harness.					
		*Lead.		*Lead.			
		Off.	Near.	Off.	Near.		
Woolwich Section No. 5—continued.		Wheel.		Wheel.		* These columns refer to R.A. (shaft draught) only.	
		Off.	Near.	Off.	Near.		
		Off.	Near.	Off.	Near.		
		Off.	Near.	Off.	Near.		
HARNESS, G.S.—continued.		1	—	—	1	—	For R.A. only.
Traces, harness { lead .. pairs wheel .. " short .. "		—	1	1	—	1	For R.E., Regimental transport, and A.S.C. only.
		—	1	1	—	1	For 2½-inch back-band.
		—	—	2	—	2	
Tugs, back-band 2½-inch		—	—	—	—	—	
Whips, drivers' ..		1	—	1	1	—	
HARNESS, A.S.C.							
Bands, back, 1½-inch ..		—	—	1	—	—	For all units when store of 2½-inch is exhausted, and for Cavalry, Infantry, and A.S.C. when O.P. transport luggage saddles are in use.

Pieces, buckling, 1-inch ..	—	—	1	1	—	—	1	1	1	1 per neck collar. For cavalry, Infantry, and A.S.C. only.
Straps, neck, ..	—	—	—	—	—	—	—	—	—	1 per collar, breast, G.S.
Tugs, back-band, 1½-inch ..	—	—	—	—	2	—	—	—	2	For 1½-inch back-band.
HARNESS AND SADDLERY.										
Straps, back ..	—	—	—	—	—	—	—	—	—	¶ 2 per set of driving reins.
Whips, driving ..	—	—	—	—	—	—	—	—	—	One per set of driving reins.
<i>Woolwich Section No. 6.</i>										
Bits, bridoon, pattern '84 ..	1	1	1	1	1	1	1	1	1	Except for A.S.C. and regimental transport, when reversible bits are issued.
Blankets, saddle ..	—	—	—	—	—	1	1	1	1	For peace. See note "Pannels."
Collars, head, Mark III ..	1	1	1	1	1	1	1	1	1	But store of R.A. pattern will be exhausted, then this pattern will be issued for all services, other than with A.S. Corps N.P. harness.
Girths, pattern '84 ..	1	1	1	1	—	1	1	1	—	Sizes as may be ordered, can only be used with saddles fitted with V-girth attachment.
Irons, stirrup, G.S. ..	2	—	2	—	2	2	—	2	—	S. size for R.A. and R.E. Cavalry as may be ordered.
Leathers, stirrup ..	2	—	2	—	2	2	—	2	—	Until stock is exhausted, then "Pannels, numnah."
Numnahs, Mark VI ..	1	1	1	—	—	1	1	1	—	Not for R.A. nor R.E., nor for other corps when reversible bit is issued.
Reins, bridoon, pattern '84	—	—	1	1	—	—	—	1	1	
Runners, stirrup, leather ..	2	—	2	—	2	2	—	2	—	
Straps, baggage ..	3	3	3	—	3	3	—	3	3	

HARNESSES—General Service—continued.

TABLE 4—continued.	Peace.		War.		Remarks.	
	Per single set of Harness.					
	*Lead.		*Lead.			
	Off.	Near.	Off.	Near.		
	Wheel.	Wheel.				
	Off.	Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 6—continued.</i>						
Surcingle s, leather, saddlery ..	1	1	1	1	1	* These columns refer to R.A. (shaft draught) only. Not required if luggage transport saddle is used.
SPECIAL FOR MOBILIZATION STORAGE.						
<i>Woolwich Section No. 5.</i>						
Bits , portmouth, reversible, heads, bridle	—	—	—	—	—	In the same proportion as bits, snaffle, van. See para. 8 of Instructions at end of table.
Bits , snaffle, van	1	1	1	1	1	For 20 per cent. of single sets of harness in lieu of portmouth bits. None for horse or field batteries. See para. 1 of Instructions at end of table.

Girths , luggage, pieces, extending..	1	1	1	1	1	1	1	1	1	For 40 per cent. of single sets of harness.
Straps , hame, 30-inch† ..	—	—	—	—	—	—	—	—	—	1 per neck collar.
<i>Woolwich Section No. 6.</i>										
Surcingle s, leather, saddlery,										
straps, extending ..	1	1	1	1	1	1	1	1	1	For 40 per cent. of single sets of harness, except horse and field batteries, which are allowed only 20 per cent. of each.

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† These may be shortened regimentally as required.

Instructions to Guide Storage for Mobilization with Registered Horses.

1. For G.S. pattern harness there are to be 80 per cent. of portmouth (until existing stock is exhausted, then the reversible), and 20 per cent. of snaffle, van bits.

2. Shoe-cases will not hold shoes of any size larger than No. 8, therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box for active field service.

3. Neck-collars of registered horses are to be purchased with the horses on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on requisition, from ordnance depôts on the lines of communication.

4. G.S. pattern cruppers are no longer provided with dock-pieces, except a small percentage, viz. :—2 per Troop or Company R.E., and 6 per cent. A.S.C. or Regimental transport.

5. For long-rein driving, hames not fitted with terret rings are to be provided with clip-rings, at the rate of four rings (to be closed on the top eye of the respective hames) per set of long reins ; also with G.S. harness (having no back-pads), two back-straps per four clip-rings are required, and should be stored accordingly.

6. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

7. Head-ropes are not included in sets of harness for war, but under camp equipment.

8. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. § 7166 L. of C.

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Engrs.
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HARNESS.—Q.F. 1-pr. Gun (Pompom).

For Cavalry and Mounted Infantry.

*(Suitable only for Horses of 15 hands and under.)***Sets.**

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Cavalry

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TABLE 4a.

TABLE 4a.	Number per Set of Harness.		Remarks.
	Peace and War.		
	Near.	Off.	
<i>Woolwich Section No. 2.</i>			
Ropes , head, hemp, with ring	1	1	{ Peace only. See para. 7 of instructions at end of Table 4.
<i>Woolwich Section No. 5.</i>			
HARNESS, A.S.C.			
Bands , belly.. ..	1	1	
Breechings , Mark II ..	1	1	
Collars , head	1	1	
Cruppers , without dock- pieces	1	1	
Reins { bearing	2	2	
{ side	—	1	
Straps , carrying, Mark II ..	2	2	
Traces { chains .. pairs	1	1	
{ pieces, leather „	1	1	
{ ropes .. „	1	1	
HARNESS, G.S.			
Bits , portmouth, reversible, “S” size	1	1	
Cases , horse-shoe, harness..	2	2	
Saddles , S.A. drivers, “S”	1	1	{ Until stock is exhausted, then Pattern 1902.
Straps , wither, 1 inch ..	1	1	
Traces , hooks	2	2	
Whips , driver's	1	—	

Harness.—Q.F. 1-pr. Gun (Pompom)—*continued.*

Harness.—Q.F. 1-pr. Gun (Pompom)—continued.			
TABLE 4a—continued.	Number per Set of Harness. — Peace and War.		Remarks.
	Near.	Off.	
<i>Woolwich Section No. 5— continued.</i>			
HARNESS, POLE DRAUGHT, R.A.			
Leggings, drivers .. pairs	1	—	} Wheel set only.
Hooks, pole bar	1	1	
Straps, pole	1	1	
HARNESS, Q.F. 1-pr. EQUIPMENT.			
Collars, breast	1	1	
Hooks, crupper	1	1	
Straps, neck	1	1	
Strap, supporting pole bar..	1	1	
<i>Woolwich Section No. 6.</i>			
SADDLERY, UNIVERSAL.			
Bits, bridoon, pattern '84 ..	1	1	
Blankets, saddle	1	1	
Girths, pattern '84 (30-inch)	1	1	
Irons, stirrup, G.S... ..	2	—	
Leathers, stirrup, "S" size	2	—	
Numnahs, Mark VI	1	1	} Until stock is exhausted, then "Pannels, num- nah."
Runners, stirrup leather ..	2	—	
Straps, baggage	3	3	
Surcingles, leather, saddlery	1	1	

HARNESS.—Q.F. 1-pr. Gun (Pompom)—continued.

Spare Articles.	Per Team.	Remarks.
<i>Woolwich Section No. 5.</i>		
HARNESS, A.S.C.		
Traces { ropes .. pairs	2	} To be carried on the limber.
{ rings (rubber) ..	12	
HARNESS, POLE DRAUGHT, R.A.		
Hooks, pole bar	1	
Straps, pole	1	

HARNESS.—Machine Gun.**For Cavalry (also Mounted Infantry), and Infantry.****Sets.**

TABLE 5.	Number per Set of Harness.				Remarks.	
	Peace and War.					
	Cavalry.*		Infantry.†			
	Near.	Off.	Wheel.	Lead.‡		
<i>Woolwich Section No. 2.</i>						
Ropes , head, hemp, with ring	1	1	1	1	For Peace only. See In- structions at end of table.	
<i>Woolwich Section No. 5.</i>						
PACK-SADDLERY, G.S.						
Bits , bridoon	—	—	1	—		
<i>Woolwich Section No. 5.</i>						
HARNESS, G.S.						
Bits , port- mouth {	reversible ..	1§	1§	1||	For Cavalry, "bit, port- mouth, nickel," when bits already provided for them are exhausted.	
	reversible, heads, bridle	1	1	1	1	Until stock is exhausted, then "bridle, port- mouth."
Cases , horse-shoe, harness	—	1	—	—		
Chains , hame, Mark I ..	—	1	—	—		
Collars , neck	—	1	—	—	Sizes as may be ordered.	
Girths , luggage	—	1	1	—		
Hames , Mark III.. pairs	—	1	—	—	Sizes as may be ordered.	
Leggings , drivers' ..	1	—	—	—		
Numnahs , felt, luggage ..	—	1	1	—		
Pads , collar,	—	1	—	—	L. or S. should be stated when demanding.	
Pannels , I.-A. saddles, luggage pairs	—	1	1	—	Hair or numnah pannels must always be worn with luggage saddles.	
Pannels , numnah, luggage, pairs	—	1	1	—	In lieu of hair pannels, when stock of latter is exhausted.	

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

‡ The lead set shown is for use in tandem when specially ordered.

§ M. size.

|| S. (small) size.

HARNESS—Machine Gun—continued.

TABLE 5—continued.

TABLE 5—continued.	Normal Set of harness. Peace and War.				Remarks.
	Cavalry.*		Infantry.†		
	Near.	Off.	Wheel.	Lead.	
Woolwich Section No. 5—continued.					
HARNESS, G.S.—continued.					
Saddles, iron-arch, luggage	{ L. ..	—	1	—	} W.-A. luggage, transport, will be issued until store is exhausted.
	{ S. ..	—	—	1	
Straps,	{ collar-pad pairs	—	1	—	} Not required for Mark I pad.
	{ girth	—	4	4	
Whips, drivers'	{ wither, 1-inch ..	—	1	—	} Only required with I.-A. luggage saddle.
	{	1	—	1	
SPARE PARTS.					
Straps,	{ flank, 22-inch ..	—	2	—	} Used when the breast-collar is worn on off horse.
	{ connecting breeching, pairs	1	—	—	
HARNESS, A.S.C.					
Bands, back, 1½-inch ..	—	1	—	—	} Used when the neck-collar is worn on the near horse.
Reins { bearing	1	1	—	—	
	{ side	—	1	—	
Straps, hame	—	1	—	—	
HARNESS, MACHINE GUN, CAVALRY.					
Breechings,	{ near ..	1	—	—	
	{ off ..	—	1	—	
Collars, breast	1	—	—	—	
Cruppers.. ..	1	1	—	—	
Pieces, buckling	—	1	—	—	
Reins, leading	—	1	1	1	
Straps,	{ flank, { 22-inch	2	—	—	
	{ 19 "	—	2	—	
Traces pairs	{ neck	1	—	—	
	{	1	1	—	
Tugs, back-band,	{ near ..	—	1	—	
	{ off ..	—	1	—	

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

HARNESS—Machine Gun—continued.

TABLE 5—continued.	Number per Set of Harness.				Remarks.
	Peace and War.				
	Cavalry.*		Infantry.†		
	Near.	Off.	Wheel.	Lead.	
HARNESS, MULE, BREAST, G.S.					
Woolwich Section No. 5.					
Bands, back,	—	—	1	—	
Breechings	—	—	1	—	
Collars { breast, Mark II	—	—	1	1	
{ head (without chapes and rings)	—	—	1	1	
Cruppers	—	—	1	—	
{ back	—	—	—	1	
{ belly	—	—	—	1	
Straps { crupper, (with hook)	—	—	1	—	
{ neck, Mark II	—	—	1	1	
{ wither	—	—	1	—	
Traces { long, Mark II	—	—	1	1	
{ short	—	—	—	1	
Tugs { back- { near	—	—	1	—	
{ band, { off	—	—	1	—	
{ trace	—	—	—	2	
Woolwich Section No. 6.					
SADDLERY, UNIVERSAL.					
Bits, bridoon, pattern 1884	1	1	—	—	Until stock is exhausted, then "bit, bridoon, nickel," with "head, bridoon."
Blankets, saddle	1	1a	1a	1a	a War only.
Cases, horseshoe, saddlery, pattern 1884	1	—	1	—	
Collars, head, Mark III..	1	1	—	—	Until stock is exhausted, then "throat strap, bridle."
Frogs, sword, saddle, cavalry line	1	—	—	—	

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

HARNESS—Machine Gun—continued.**TABLE 3—continued.**

TABLE 5—continued.	Number per Set of Harness.				Remarks.
	Peace and War.				
	Cavalry.*		Infantry.†		
	Near.	Off.	Wheel.	Lead.	
<i>Woolwich Section No. 6— continued.</i>					
<i>SADDLERY, UNIVERSAL— continued.</i>					
Girths, pattern 1884 ..	1	—	—	—	Sizes as may be ordered. Can only be used with saddles fitted with V- girth attachment.
Irons, stirrup, G.S. ..	2	—	—	—	Until stock is exhausted, then "stirrups, nickel."
Leathers, stirrup ..	2	—	—	—	Sizes as may be ordered.
Numnahs, Mark VI ..	1	—	—	—	Until stock is exhausted.
Pannels, numnah, pairs	1	—	—	—	
Protectors, cape ..	1b	—	—	—	b Not for war.
Reins, bridoon, pattern '84	1	1	1	—	Until stock is exhausted, then "reins, bridoon, portmouth."
Runners, stirrup leather..	2	—	—	—	
Saddles, steel arch, pat- tern 1890	1	—	—	—	When stock is exhausted pattern 1902 with its pannels will be issued.
Straps { baggage ..	3	3	3	—	
	1	—	1	—	
Surcingles, leather sad- dlery	1	1	1	—	Not required if O.P. luggage transport saddle is used.

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

Instructions to Guide Storage for Mobilization with Registered Horses.

1. Head-ropes are not included in sets of harness for war, but under camp equipment.

HARNESS-POLE DRAUGHT, R.A.

TABLE 6.		Sets.		Remarks.
		Peace and War.		
		No. per Set.		
		Near.	Off.	
<i>Woolwich Section No. 2.</i>				
Ropes , head, hemp, with ring	1	1	For peace only. Will be supplied with camp equipment for war. See para. 2 of Instructions at end of table.	
<i>Woolwich Section No. 5.</i>				
HARNESS, G.S.				
Bits , { reversible	1	1	Sizes as may be ordered.	
port-mouth { .. heads, ..	1	1		
Collars , neck	1	1	Sizes as may be ordered. See para. 1 of Instructions at end of table.	
Pads , collar	—	—	2 per team. L. or S., according to size of collars.	
Pannels , numnah, drivers' pairs	—	—	10 per cent for peace and war, for use with blanket.	
Reins {	bearing, Mark II ..	2	1	Until store is exhausted, then additional bearing rein.
	leading	—	1	
	side	—	1	
Saddles , I.-A. or S.-A., drivers'	1	1	L. size.	
Straps {	collar-pad pairs	—	—	1 pair per collar-pad.
	hame	1	1	See straps, hame, 30-inch.
	wither, 1½-inch ..	1	1	Until store is exhausted, then 1-inch.
Whips , drivers'	1	—		

HARNESS—Pole Draught, R.A.—continued.

TABLE 6—continued.

TABLE 6—continued.	Peace and War.		Remarks.
	No. per Set.		
	Near.	Off.	
<i>Woolwich Section No. 5—continued.</i>			
HARNESS, A.S.C.			
Pieces, buckling, 1-inch ..	1	1	1½-inch buckling pieces in possession to be used up.
HARNESS, POLE-DRAUGHT, R.A.			
Breechings	1	1	
Chain, hame.. ..	1	1	
Cruppers	1	1	
Hames pairs	1	1	
Hooks, pole bar	—	—	2 per vehicle supplied with pole bar.
Leggings, drivers'	1	—	
Link, double, 2½-inch ..	1	1	
Straps { breast, breeching	1	1	
	flank	2	2
Traces, { wheel .. pairs	1	1	
	short	1	1	Not supplied for wheel horses.
<i>Woolwich Section No. 6.</i>			
SADDLERY, UNIVERSAL.			
Bits, bridoon, pattern '84 ..	1	1	
Blankets, saddle	1	1	
Collars, head, Mark III ..	1	1	
Girths, pattern '84	1	1	Sizes as may be ordered.
Irons, stirrup, G.S.	2	—	
Leathers, stirrup	2	—	S. size.
Numnahs, felt	1	1	
Runners, stirrup-leather ..	2	—	
Straps, baggage	3	3	
Surcingles, leather, saddlery	1	1	

HARNESS, Pole Draught, R.A.—continued.

TABLE 6—continued.	Peace and War.		Remarks.
	No. per Set.		
	Near.	Off.	
SPECIAL FOR MOBILIZATION STORAGE.			
Woolwich Section No. 5.			
HARNESS G.S.			
Bits, snaffle, van	—	—	Per cent., in lieu of similar numbers of reversible bits
Girths, luggage, pieces, extending	—	—	Percent. for all sizes of girths
Straps, hame, 30-inch* ..	—	—	Per cent.
Woolwich Section No. 6.			
Surcingles, leather, saddlery, straps, extending	—	—	Per cent.

Batteries.	Ammn. Columns and Parks.
—	20
20	40
100	100
20	40

* These may be shortened regimentally as required.

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Instructions to Guide Storage for Mobilization with Registered Horses.

1. Neck-collars of registered horses are to be purchased on mobilization, for use until the Service pattern from store can be fitted instead. When those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on indent, from Ordnance Depôts on the line of communications.

2. Head-ropes are not included in sets of harness for war, but under camp equipment.

3. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

HARNESS, BREAST, POLE DRAUGHT, R.A. *
Sets.

TABLE 6a.	Peace and War.		Remarks.
	No. per Set.		
	Near.	Off.	
<i>Woolwich Section No. 2.</i>			
Ropes , head, hemp, with ring	1	1	See para. 2 of instructions at end of Table 6.
<i>Woolwich Section No. 5.</i>			
HARNESS, BREAST, POLE DRAUGHT, R.A.			
Breechings	1	1	Wheel only.
Collars , breast	1	1	
Neckpiece , pole-bar.. ..	1	1	Wheel only.
Straps , {	hip, long, wheel .. pair	1	Wheel only.
	loin, lead	1	Lead and centre only.
Traces , {	neck	1	
	wire, long .. pair	1	
	wire, short.. pair	1	Lead and centre only.
HARNESS, POLE DRAUGHT, R.A.			
Leggings , drivers'	1	—	
HARNESS, GENERAL SERVICE.			
Bits , portmouth, reversible..	1	1	L. or M. size.
Pads , collar	1	1	Wheel only. L. size.
Straps , collar, pad .. pair	1	1	Wheel only.
Whips , drivers'	1	—	
<i>Woolwich Section No. 6.</i>			
SADDLERY, UNIVERSAL.			
Blanket , saddle	1	1	
Bridle , portmouth	1	1	L. size.
Girths , pattern 1884	1	1	L. or M. size.
Leathers , stirrup	2	2	S. size.
Pannels , numnah, pattern 1902 pair	1	1	These must be worn with pattern 1902 saddle.
Reins , bridoon, and portmouth, Mark I.	1	1	When reins bearing Mark II are exhausted.

* Until stock of converted parts is exhausted the set of harness detailed in Table 6b will be issued.

HARNESS—Breast, Pole Draught, R.A.—continued.

TABLE 6a—continued.	Peace and War.		Remarks.
	No. per Set.		
	Near.	Off.	
<i>Woolwich Section No. 6—continued.</i>			
Runners , stirrup leather ..	2	2	
Saddles , steel arch, pattern 1902	1	1	L. size. When store of drivers' saddles is exhausted.
Stirrups , nickel	2	2	When store of irons, stirrup, G.S., is exhausted.
Straps , baggage	3	3	
Strap , throat.. ..	1	1	
Surcingles , leather.. ..	1	1	

Instructions to guide storage for Mobilization with Registered Horses, see Appendix VIIIA.

HARNESS, BREAST, PÔLE DRAUGHT, R.A. CONVERTED
(L. OF C. 12,134.)

Rope traces are employed in lead and centre.

Sets.

TABLE 6b.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
NEW ARTICLES.					
<i>Woolwich Section No. 2.</i>					
Ropes , head, hemp, with ring	1	1	2	2	See para. 2 of instructions at end of Table 6.
<i>Woolwich Section No. 5.</i>					
HARNESS, BREAST, POLE DRAUGHT, R.A.					
Collar , breast	1	1	2	2	
Neckpiece , polebar ..	1	1	—	—	

HARNESS—Breast, Pole Draught, R.A., Converted.—continued.

TABLE 6b—continued.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 5—continued.</i>					
Straps, neck	1	1	2	2	
Traces, wire, long—pair	1	1	—	—	
CONVERTED ARTICLES.					
<i>Woolwich Section No. 5.</i>					
HARNESS, BREAST, POLE DRAUGHT, R.A.					
Breechings	1	1	—	—	
Straps, { hip, long, wheel, pair	1	1	—	—	
Traces, { loin, lead	—	—	2	2	
Traces, rope, long, pair	—	—	2	2	Until stock is exhausted, then wire traces.
ARTICLES UNALTERED.					
HARNESS, POLE DRAUGHT, R.A.					
Leggings, drivers' ..	1	—	2	—	
Traces, rope, short, pair	—	—	2	2	Until stock is exhausted, then wire traces.
HARNESS, G.S.					
Bits, portmouth, reversible	1	1	2	2	Sizes as ordered.
Heads, bridle	1	1	2	2	To be worn with collars, head.
Pads, collar	1	1	—	—	Wheel only "L" size.
Pannels, numnah, drivers' pair	—	—	—	—	As ordered.
Reins, bearing	1	1	2	2	Until stock is exhausted.
Saddles, drivers' ..	1	1	2	2	Until stock is exhausted, then pattern 1902.
Straps, collar pad—pair	1	1	—	—	
Whips, drivers'	1	—	2	—	

HARNESS—Breast, Pole Draught, R.A., Converted—continued.

TABLE 6b—continued.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 6.</i>					
SADDLERY, UNIVERSAL.					
Blankets, saddle ..	1	1	2	2	Until stock is exhausted, then bridle with throat strap.
Collars, head ..	1	1	2	2	
Girths, pattern 1884 ..	1	1	2	2	Until stock is exhausted, then stirrup nickel.
Irons, stirrup, G.S. ..	2	2	4	4	
Leathers, stirrup ..	2	2	4	4	Until stock is exhausted, then Numnah pannels.
Numnahs, Mark VI ..	1	1	2	2	
Runners, stirrup leather	2	2	4	4	
Straps, baggage.. ..	3	3	6	6	
Surcingles, leather ..	1	1	2	2	

HARNESSES:—A.S.C., N.P.

For E.A., E.E., Cavalry, A.S.C. and Infantry Regimental Transport, as may be ordered.

Sets.

TABLE 7.

TABLE 7.		Wheel.				Remarks.
		Peace.		War.		
		Near.	Off.	Near.	Off.	
	<i>Woolwich Section No. 2.</i>					See para. 6 of Instructions at end of table.
	Ropes, head, hemp, with ring..	1	1	—	—	
	<i>Woolwich Section No. 5.</i>					For 25 per cent. single sets of harness for peace and war, in lieu of a similar number of neck collars. Until stock is exhausted, then "throat strap and bridle." 6 per cent. of cruppers. See para. 1 of Instructions at end of table.
	HARNESSES, A.S.C.					
	Bands { back, 1½-inch	—	1	—	1	
	{ belly ..	1	1	1	1	
	Breechings, Mark II ..	1	1	1	1	
	{ breast, Mark II	1	1	1	1	
	Collars { head ..	1	1	1	1	
	{ without dock-pieces	1	1	1	1	
	Cruppers, { dock-pieces	—	—	—	—	

HARNESS:—A.S.C., N.P.—continued.

TABLE 7—continued.

		Wheel.				Remarks.
		Peace.		War.		
		Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 5—continued.</i>						
Harnes ..	..	1	1	1	1	1 per neck collar.
Pads, back ..	..	1	1	1	1	+ Not for R.E. units, until their vehicles are fitted for pole-draught.
Pieces, buckling, 1-inch	..	1	1	1	1	1 per neck collar.
Reins { bearing ..	..	1	1	1	1	
Reins { side ..	..	1	1	1	1	
Straps { carrying, Mark II	..	2	2	2	2	
Straps { hame ..	..	1	1	1	1	
Straps { neck ..	..	1	1	1	1	
Traces { attachments, harnes..	pairs	1	1	1	1	1 per neck collar. See straps, hame, 30-inch.
Traces { chains ..	..	1	1	1	1	1 per breast collar.
Traces { pieces, leather ..	..	1	1	1	1	1 per neck collar, to extend the trace.
Tugs, back-band, 1½-inch	..	1	1	1	1	
HARNES, G.S.						
Bits, { reversible ..	..	1	1	1	1	M. or L. size (see para. 8, Appendix VIIIA; also "bits, snaffle, van," below.
port-mouth, { harness, with bridle-head ..	..	1	1	1	1	Until store is exhausted, then the reversible bit. With reversible bit "bridle, portmouth," when store of heads is exhausted. See also note against "collar, head."

HARNESS:—A.S.C., N.P.—continued.

TABLE 7—continued.

	Wheel.				Remarks.
	Peace.		War.		
	Near.	Off.	Near.	Off.	
<i>Woolwich Section No. 5—continued.</i>					
Traces, hooks	2	2	2	2	‡2 per set of driving reins, in lieu of the back-pads, for R.E. units, until their vehicles are fitted for pole-draught. § 1 per set of driving reins.
Whips, drivers'	1	—	1	—	
HARNESS AND SADDLERY.					
Straps, back	—	—	‡	—	
Whips, driving	1	—	§	—	
<i>Woolwich Section No. 6.</i>					
SADDLERY, UNIVERSAL.					
Bits, bridoon, patt. '84 ..	1	1	—	—	When reversible bit is not issued.
Blankets, saddle	—	—	1	1	Sizes as may be ordered.
Girths, pattern '84	—	—	1	—	Until stock is exhausted, then "stirrups, nickel."
Irons, stirrup, G.S.	2	—	2	—	S. Size.
Leathers, stirrup	2	—	2	—	Until stock is exhausted, then numnah pannels.
Numnahs, Mark VI	1	—	1	—	Only when bridoons are issued.
Reins, bridoon, patt. '84 ..	1	1	—	—	
Runners, stirrup leather ..	2	—	2	—	
Straps, baggage	3	3	3	3	
Surcingles, leather, saddlery ..	1	1	1	1	Not required if luggage O.P. transport saddle is issued.

SPECIAL FOR MOBILIZATION STORAGE

Woolwich Section No. 5.

HARNESS, G.S.

Bits, { portmouth, reversible, heads,
bridle

{ snaffle, van

Girths, luggage, pieces, extending ..

Straps, hame (30-inch*)

HARNESS, A.S.C.

Breechings, straps, extending

Woolwich Section No. 6.

SADDLERY, UNIVERSAL.

Surcingles, leather, saddlery, straps,
extending

In the same proportion as bits, snaffle, van.
See para. 7 of Instructions at end of table.
Until stock is exhausted, then "bridle,
portmouth."

For 20 per cent. of single sets of harness, in lieu
of a similar number of reversible or G.S. bits.
See para. 2 of Instructions at end of table.

For 40 per cent. of single sets of harness for all
sizes of girths.
1 per neck collar.

For 40 per cent. of single sets of harness.

For 40 per cent. of single sets of harness.

* There may be shortened regimentally as required.

INSTRUCTIONS TO GUIDE STORAGE FOR MOBILIZATION WITH REGISTERED HORSES.

1. Only 6 per cent. of the cruppers in A.S.C. new pattern harness sets are to have dock-pieces.

2. For sets of A.S.C. new pattern harness, there are to be 80 per cent. of reversible, and 20 per cent. of the snaffle van pattern bits.

3. Shoe-cases will not hold shoes of any size larger than No. 8 ; therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box, for active field service.

4. Neck-collars of registered horses are to be purchased on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on indent from Ordnance Depôts on the line of communications.

5. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

6. Head-ropes are not included in sets of harness for war, but under camp equipment.

7. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. §7166 L. of C.

PACK-SADDLERY, G.S., MARK III OR IV.

Set.

N.B.—Mark IV has tinned buckles and a steel-arch saddle-tree, and will not come into use until existing store of other marks is exhausted.

TABLE 8.	No.	Remarks.
<i>Woolwich Section No. 5.</i>		
Bits , bridoon	1	
Breechings , Mark* (or Breechings, Cavalry, Pioneers)	1	* Mark III or IV (as ordered).
Chains , collar, G.S. ..	1	
Collars { breast, Mark* ..	1	
{ head " * ..	1	
Covers , 6' x 6', G.S. ..	1	
Cruppers , Mark†	1	† "Large" or "small," also Mark III or IV (as ordered).
Girths , Mark* . pairs	1	
Pannels , Mark†	1	
Reins , bridoon, Mark ‡ ..	1	‡ Mark I or II (as ordered).
Ropes , Mark* (or ropes, baggage) pairs	2	Straps, baggage, will be issued until store is exhausted.
Straps , girth ¶	4	¶ "Mark II" for Mark IV trees, and those trees of Mark III that may have mortices in the bar for their attachment.
Surcingles , Mark §	1	§ Mark II or III (as ordered).
Trees , mark †.. ..	1	

HARNESS, MULE, BREAST.

Sets.

TABLE 9.				10-span.	6-span.	Remarks.
HARNESS, MULE, BREAST, 10-SPAN.						
Bits, snaffle	..	..	..	10	6	
Breechings	..	..	..	4	2	
Bridles	..	..	..	10	6	With winkers, neck-strap, and thong.
Collars, breast	..	..	..	10	6	
Reins, driving	{	lead { single	..	8	4	
		hand-part, pairs	..	2*	1	* 1 pair being spare.
		wheel	.. sets	1	1	
Straps	{	back { lead	..	6	4	
		wheel	..	4	2	Not required when cart saddles are issued.
		neck	..	10	6	
Traces	{	pole	..	4	2	
		lead†	.. pairs	2	2	† Traces, lead, will become obsolete as soon as existing stock is used up (§11117, L. of C.), and traces, wheel, will be issued in lieu—10 for 10-span, 6 for 6-span.
		wheel	..	8	4	
Bars, coupling	..	..	..	1	1	
Chains, trek, 8-feet	..	..	..	3	1	
Swingletrees	..	..	..	5§	3§	§ 1 set being spare.
Saddles, cart (for belly bugles)	..	..	..	—	2	
Strap, back, belly bugle	..	..	..	—	2	
Tugs, belly bugle	..	..	..	—	4	
Whips, driving, 8-span	..	..	..	1||	1||	When specially ordered. For 6- or 10-span. At home "Whips longeing" are to be used. || In S. Africa, whips, driving, 8-span, Mark II (§11207, L. of C.) will be used, and will be provided locally.
HARNESS, MULE, BREAST, G.S.						
Cruppers	..	..	..	4	2	

Para. 9991,
L. of C.

54

Gen. No.

8746

54

Gen. No.

8746

7137

334

APPENDIX VIIIc.

(Referred to in Paragraphs 39 and 156.)

Components, Accessories, Spare Parts, Wagon and Cart Equipment of Vehicles.
(For R. E. Vehicles, see Part 2, Section X.)

Description of Articles, &c.	Number or Quantity for									
	Wagon.					Cart.				
	Ambulance.	A. and S., R.A.	G.S.	Limber.	S.A.A. Wagon.	Forage.	Maltcase, V*.	S.A.A.	Barrel.	Water. Tank.
A.—Not demanded or accounted for separately.										
COMPONENTS.										
Woolwich Section, 4.										
Barrel, water (Mark V wagon)	..	..	..	..	..	..	..	..	..	..
{ centre (Mark IV wagon) ..	..	..	..	..	..	..	..	..	..	..
{ front	..	..	..	..	..	..	..	..	..	..
{ rear { (Mark III wagon) ..	..	..	..	..	..	..	..	..	..	..
{ " IV " ..	..	..	..	..	..	..	..	..	..	..
{ side { long (Mark V wagon) ..	..	..	..	..	..	..	..	..	..	..
{ short " " ..	..	..	..	..	..	..	..	..	..	..
Ladders, wagon, ambulance (according to Mark of wagon)	..	..	..	..	..	..	..	..	..	..

APPENDIX VIIIc—continued.

Description of Articles, &c.	Number or Quantity for									
	Wagon.					Cart.				
	A. and S., R.A.	G.S.	Limber.	S.A.A.	Wagon.	Forage.	Maltese, Mark V.	S.A.A.	Barrel.	Tank.
COMPONENTS—continued.										
<i>Woodwich Section, 4—continued.</i>										
Funnels, cart, water-barrel	..	..	..	..	..	..	..	..	1	..
Girths, cart	..	..	..	..	..	..	..	..	1	..
Keys, water tap, carts, water-barrel	..	..	..	..	..	..	..	..	1	..
Nuts, flange, tap, carts, water-barrel	..	..	..	..	..	..	..	..	1	..
linch, 3rd class	..	..	..	..	..	..	..	..	1	..
pole, No. 7 pole—	2	4½	2	..	2	2	2	..	2	2
“A” (wagons, A and S.R.A., Marks III and IV; G.S., Marks VI to X; G.S., R.E. and ambulance, Mark V)	1	1	..	..	..	..	..	..	..	..
“B” (wagons, A. and S., R.A., Marks II and II*) ; ambulance, Marks III and IV; G.S., converted surgery, spring, and cart, water tank	1	1	..	..	..	..	..	..	..	..
“C” (wagons, G.S., Mark IV)	..	1	..	..	..	..	..	..	..	16
Plus	..	..	..	..	..	..	..	..	..	..

APPENDIX VIIIc—continued.

Description of Articles, &c.	Number or Quantity for									
	Wagon.					Cart.				
	Ambulance.	A. and S., R. A.	G. S.	Limber.	S. A. A. Wagon.	Forage.	Maltese Mark V.	S. A. A.	Barrel.	Water. Tank.
COMPONENTS—continued.										
<i>Woolwich Section, 4—continued.</i>										
Shoes, drag	1g	1g	1e						10	1
Swingletrees, No. 3	..	..	..	..	..	..	..	..	1	2
Tanks, carts, water	..	..	..	..	..	..	..	..	2	2
Taps, cart, water-barrel	..	..	..	..	..	..	..	..	2	2
Ties, lynch-pin	4	4	4	2	2	2	2	..	..	..
Washers, drag, 3rd class, B	4b	..	4i	2	2	2	2	..	..	..
Wheels { 3rd class, B, No. { 145 (hind) 147 (") 155 (fore) 158 159 (fore) 200 (hind)	..	..	..	..	..	..	..	..	..	..
Wheels { 2nd class, C, No. 200 (hind)	2a	..	2b	2	2	2	2	..	2	2
	2d	..	2f	..	..	..	..	..	..	..

APPENDIX VIIIc—continued.

Description of Articles, &c.	Number or Quantity for									
	Wagon.					Cart.				
	Ambulance.	A. and S., R.A.	G.S.	Limber.	S.A.A.	Forage.	Maltese, Mark V*.	S.A.A.	Barrel.	Water.
ACCESSORIES—continued.										
Woolwich Section, 4.										
Covers { cart { forage ..	..	..	..	..	..	..	..	..	..	..
{ Maltese	..	..	..	..	..	..	..	..	..	..
{ wagon, G.S. ..	..	..	..	..	..	..	..	..	..	..
Hoops, bale { cart, forage	..	..	..	..	..	..	..	..	..	..
{ wagon, G.S.†	..	..	..	..	..	..	..	..	..	..
Pole { bullock draught ..	..	..	..	..	..	..	..	..	..	..
{ mule draught, No. 1	..	..	..	..	..	..	..	..	..	..
Seat, drivers' ..	..	..	..	..	..	..	..	..	..	..
Strut, supporting, mule pole	..	..	..	..	..	..	..	..	..	..
Swingletrees, No. 10A ..	..	..	..	..	..	..	..	..	..	..
Troughs, water-cart ..	..	..	..	..	..	..	..	..	..	..

APPENDIX VIIIc—continued.

Description of Articles, &c.	Number or Quantity for										
	Wagon.					Cart.					
	Ambulance.	A. and S., R.A.	G.S.	S.A.A.		Roroge.	Maltese, Mark V*.	S.A.A.	Barrel.	Tank.	Water.
				Limber.	Wagon.						
SPARE PARTS—continued.											
<i>Woolwich Section, 18.</i>											
Lashings, tarred, 1½-inch, 32 feet ..	..	2	1	..	..	..	..	..	..	..	..
WAGON EQUIPMENT.											
<i>Woolwich Section, 2.</i>											
Axes { felling, curved helve ..	..	1	1	..	..	..	1	..	..	..	..
pick { heads, 4½ lbs. ..	..	1	1	..	..	..	1	..	..	..	..
helves, 36-inch ferruled ..	..	1	1	..	..	..	1	..	..	..	..
Buckets, water, G.S. { canvas ..	..	2	2	6	..	..	1	6	1	1	1
leather ..	..	1	1	2	..	..	1	1	1	1	1
Hooks, bill ..	..	1	1	..	..	..	1	1	1	1	1
Shovels, G.S. ..	..	1	1	..	..	..	1	1	1	1	1
Spades, N.P. ..	..	1b	..	..	..	..	1b	..	..	..	..
Tent, line, tent, 16-thread ..	oz.	6a	..	..	..	..	..	..	..	..	..

Woolwich Section, 5.

Brushes, water, carriage	1	1	1	1	1	1	1	1	1	1
<i>Woolwich Section, 7.</i>										
Drivers, screw, G.S., 6-inch	..	..	..	..	1	..	..	1	..	..
Hammers { claw, 14 ozs.	..	..	..	..	1	..	..	1	..	..
{ riveting, 8 ozs.	1	..	..	..	..	..	..	..	..	..
Pincers, carpenters'	..	..	..	..	1	..	..	1	..	..
Spanners, McMahon, 9-inch	1	..	..	..	1	..	..	1	1	1
<i>Woolwich Section, 8.</i>										
Cordage, tarred, spun-yarn, hemp, 3-thread.; lbs.	5	5	5	5	5	5	5	5	..	5
<i>Woolwich Section, 11.</i>										
Grease, lubricating	6	6	6	6	6	6	3	3	3	3
<i>Woolwich Section, 18.</i>										
Lashings { white, 1-inch, 30 feet	..	..	..	..	2	..	2	..	2	..
{ tarred, 1½-inch, 16-feet	..	..	..	..	..	..	..	4	..	..
Ropes, drag, light, G.S...	..	..	1	1	1	1	1	1	1	..
<i>Woolwich Section, 25.</i>										
Boards, inventory	1	1	1	1	1	1	1	1	..	1
Stores.										
<i>Woolwich Section, 27.</i>										
Blankets, G.S.	4	..	..	..	..	..	..	..	..	..

a Annual supply.*b* To be superseded by shovels, G.S., when existing stock is used up.

APPENDIX VIIIId.

(Referred to in Paragraph 295.)

MATERIALS FOR THE CARE AND PRESERVATION OF BICYCLES.

Scale for 1 Bicycle.

Woolwich Section, No. 11.

54	Dubbing	1 lb.	} Annual issue.
Gen. No.	Mineral jelly,	1 lb.	
8845	Oil { paraffin	1 quart*	
57	{ Rangoon	1 pint	
Gen. No.	Tallow, Russian	1 lb.	

6596

Woolwich Section, No. 30.

Linen, old 1½ lbs.

ROYAL ARMY CLOTHING DEPARTMENT
SUPPLIES.

Brushes, shoe { blacking .. 1
 { polishing .. 1 } Biennial issue.

MISCELLANEOUS.

Brush for cleaning spokes, &c... 1 Annual issue.

* A.S.C. supply.

MATERIAL FOR REPAIR AND BROWNING OF BICYCLES.

Annual supply—Peace only. (Referred to in paragraph 360.)

*Armourer-serjeants.*38407
Equipt.
2084

				Allowed for		
				1 bicycle.	2 bicycles.	3 bicycles.
<i>Woolwich Section, No. 3.</i>						
Flannel, white	yards			$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
<i>Woolwich Section, No. 7.</i>						
Card, scratch	yards			$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
Cloth, emery, No. 2	quires			$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
<i>Woolwich Section, No. 11.</i>						
Dubbing	lbs.			$\frac{1}{2}$	1	1½
Mineral jelly	"			$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Oil, Rangoon	pints			$\frac{1}{2}$	1	1½
*Soda, crystal	lbs.			18	18	18
Tallow, Russian, or home-melted						
English	"			1	2	3

* 12 gallons of water are required to cover a handle-bar in the service browning trough, and the soda allowance of 18 lbs., i.e., 1½ lbs. of soda to each gallon of water will be sufficient for any number of bicycles up to 120.

Material for Repair and Browning of Bicycles—*continued.*

				Allowed for		
				1 bicycle.	2 bicycles.	3 bicycles.
<i>Woolwich Section, No. 30.</i>						
Lead , old (for vice clams)	lbs.			3	3	3
Linen , old	„			1½	3	4½
ROYAL ARMY CLOTHING DEPARTMENT						
SUPPLIES.						
Brushes , shoe	{ blacking	..	..	1	1	1
	{ shining	..	..	1	1	1
MISCELLANEOUS.						
Brushes for cleaning spokes, &c. ..				1	1	1
Mixture , browning	gills			½	1	1½
Oil , paraffin	quarts			1	2	3

† To be drawn from Army Service Corps.

NOTE.—Components and accessories for repair will be drawn from Army Ordnance Department as required on commanding officer's certificate.

APPENDIX IX.

(Referred to in paragraph 401.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF THE LEATHER OF HARNESS AND SADDLERY (OTHER THAN THAT HELD FOR MOBILIZATION) IN POSSESSION OF TROOPS.

1. Once in every six months the saddlery and harness in possession of the troops is to be laid by in dubbing for two or three days. Dubbing to be used.
2. From Friday afternoon until Monday afternoon is a suitable time, if the Saturday intervening be made a saddlery and harness inspection day, so that the officer immediately responsible may see that the orders are strictly carried out. Time for applying dubbing.
3. The whole of the strapping composing the saddlery and harness will be taken to pieces; and after the articles have been cleaned, and while they are damp from the use of a wet sponge, the dubbing will be lightly rubbed in. It may be applied with a rag, sponge, or brush. Dubbing spreads more uniformly, and is incorporated more thoroughly with the fibres of the leather, if applied when the leather is damped. In the winter months the dubbing should be warmed. Proper application of dubbing.

- Tallow to be rubbed off.** 4. When the dubbing has had time to penetrate the leather, which will be in two or three days, the residue of tallow on the surface should be rubbed off, and the article polished up with a cloth or brush. If this is properly done, and only a sufficiency of dubbing has been used, the leather will not soil the hand or glove when handled.
- Articles requiring exceptional treatment.** 5. Carbine buckets, and seats and flaps of saddles, being of uncurried leather and requiring to be kept stiff, should only be very lightly dubbed *annually*, but occasional soap sponging is necessary to preserve the grain.
- Daily use of soap.** 6. Soap should be used daily, where articles are in constant use, to produce mellowness in the leather rather than an outward gloss. Inspecting officers should handle the straps to ascertain that they are pliable, and in good preservation.
- Leather to be kept soft.** 7. So long as leather remains dry and clean it needs but little attention, beyond receiving a little grease half-yearly; but when wetted, either by rain or by the water necessary to clean it, the leather becomes hard and stiff, if not softened with some oily matter.
- Soda not to be used.** 8. Leather must not be washed with soda nor soaked in water. Its vitality is quite destroyed by being soaked in hot water, and it will be found afterwards to readily crack when bent. Washing the leather with soap and *lukewarm* water, quickly and without soaking, will not injure it if the precaution is taken to apply oil, dubbing, or good soap, while the article is slightly damp.
- Not to be dried by the fire.** 9. Drying the leather by the fire destroys its durable properties, and is strictly forbidden.
- Action of ammonia.** 10. Leather articles exposed to the action of ammonia, which is continually given off in stables, become weak and rotten sooner than those not so exposed. But the grease of oil, soap, or dubbing, applied from time to time, penetrates the leather, nourishes it, and fits it to resist the deleterious effects of ammonia, and of atmospheric moisture; it also fills up the fibres, makes the leather more mellow, and increases its tensile strength.
- Soft soap to be sparingly used.** 11. Soft soap contains an excess of alkali, and should be sparingly used; if applied freely it gives the leather a dark and sodden appearance.
- Use of bees-wax, &c.** 12. Bees-wax and saddle soaps, commonly used in the service to give a polish to the grain of the leather, are not objectionable, providing good yellow soap is used to the flesh (under) side to keep the leather mellow.
- Black saddlery.** 13. Black saddlery leather requires greater care than brown. To give it a good appearance, the best blacking only should be used.
- Monthly inspection.** 14. The harness and saddlery of sick and young horses, when kept in store, should be properly cleaned, and soaped, or dubbed, before being stored. The officer immediately responsible should inspect them monthly.

APPENDIX X.

(Referred to in Section XVI, Sub-section B.)

INSTRUCTIONS FOR MARKING VEHICLES.

1. These instructions are issued with the object that when required for use on mobilization, every vehicle shall be marked so as to show the title of the unit to which it belongs and the formation to which the unit is allotted.

2. These marks, called "corps marks," are to be on the same system for all vehicles, and for all branches of the service.

The position of the marks will be as follows:—

Gun carriages and vehicles, } centre of back of ammunition boxes.
with limbers

Carriages, field, machine gun,	{	infantry,	{	Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), off side of iron cover.
			{	Maxim, Mark I, .303 guns, front plate.
			{	Maxim, Mark II, .303 guns, back of lockers and front plate.
			{	
		cavalry or mounted infantry,	{	Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 bar- rel),
			{	Maxim, Mark I, .303 guns,

{ off side of
framework
carrying
ammuni-
tion

Wagons, air line, and carts, cable, on "off" side of front box.

Carts, water tank, on rear end of tank.

Other vehicles { on body of vehicles, on *off side*, as far to the
(if construction { front as possible, and low enough to be clear of
admits), { tarpaulin or other cover.

3. In addition to the above-named "corps marks," there are a number of details, chiefly for regimental convenience, marked on certain vehicles, such as the nature of gun, number or letter of subsection, number of wagon, &c. These details are not to be mixed up with the corps marks, and will be placed as in Table III. The general principles indicated in that table should be followed in marking any vehicles for which specific details are not given.

4. The details of the marking are given in the following paragraphs, and all vehicles detailed for use with medical units, such as bearer companies and field hospitals, will be marked with the Geneva cross, in addition to corps marks, &c.

5. Drawings to illustrate the method of marking, and the typical position of the marks, will be issued, on demand, to chief ordnance officers, who will arrange for necessary promulgation to the troops requiring them. These drawings are only issued as guides and where they differ from equipment regulations the latter must be followed. The marking of vehicles will be performed by hand-painting, by battery and regimental artificers. In the absence of artificers trained to hand-painting, vehicles will be marked by the army ordnance department. All marking, except the Geneva cross, which will be in red on white ground, will be for vehicles painted lead colour in white paint, and for those painted khaki colour in black paint, in letters and numerals, as laid down in Table IV.

(EQ. R.)

5
Gen. No.
9561

Object.

Corpsmarks,
position of.

54
Engrs.
534
57
Gen. No.
5746

Other marks
not to be
mixed up
with.

57
Gen. No.
3852

Details,
where given.
Geneva
cross.

Drawings.

54
Gen. No.
9280

38407
Equip.
2006

6. "Corps marks" generally require two lines :—

First line.—Title of unit, *e.g.*, 2 Leins. R.

Second line.—Formation to which unit is allotted, *e.g.*, 3 Inf. Bde.

Table I shows the abbreviations to be used for titles of units.

Table II gives examples of first and second lines, and shows the special methods of marking vehicles in ammunition columns, supply columns, and field ambulances.

Vehicles to
be perma-
nently
marked.

54
Gen. No.
9561
79
175

7. Vehicles in charge of units and forming part either of their peace or mobilization equipment ; and vehicles kept by the Army Ordnance Department in mobilization storehouses to complete the equipment on mobilization of units which exist in peace, or for the equipment of units which are to be formed on mobilization will be marked in full.

Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station will be at once carried out.

Vehicles of units not allotted to the Field Army and machine gun carriages held by units of Militia or Volunteers will be marked with 1st line marking only.

8. Vehicles which are on charge of various corps for local purposes will be marked to show the purpose to which they are locally appropriated.

TABLE I.

SHOWING the abbreviations to be used in the first line of the marking, which shows the title of the unit.

Unit.	Abbreviations.
Household Cavalry (composite) Regiment ..	Hld. Cav. Rgt.
Depôt, Royal Horse Artillery	Dep. R.H.A.
R Battery, Royal Horse Artillery	R. R.H.A.
Depôt, Royal Field Artillery	Dep. R.F.A.
5th Battery, Royal Field Artillery	5. R.F.A.
3rd Cavalry Brigade Ammunition Column ..	3 C.B. Ammn. Col.
IInd Brigade Royal Horse Artillery Ammunition Column	II. Bde. R.H.A. Ammn. Col.
IVth Brigade Royal Field Artillery Ammunition Column	IV. Bde. R.F.A. Ammn. Col.
IInd Ammunition Park (2nd Section).. ..	II Ammn. Park 2.
Field Depôt, Royal Engineers	Fd. Dep. R.E.
No. 12 Field Company, Royal Engineers ..	12 Fd. Co. R.E.
Dragoon Guards (<i>e.g.</i> 3rd)	3 D.G.
Dragoons (<i>e.g.</i> 6th)	6 Dns.
Hussars (<i>e.g.</i> 20th)	20 Hrs.
Lancers (<i>e.g.</i> 5th)	5 Lrs.
(1st Battalion) Grenadier Guards	1 G. Gds.
(2nd ") Coldstream Guards	2 C. Gds.
(1st ") Scots Guards	1 S. Gds.
(1st ") Irish Guards	1 I. Gds.
Infantry Battalions (Regulars and Militia) ..	Abbreviations to be in accordance with the abbreviated regimental titles, as laid down in the official Army List.

In the case of units not mentioned in this Table, the abbreviations are sufficiently explained in Table II.

TABLE II.

EXAMPLES of the first and second lines of the marking alluded to in paragraph 6 of this Appendix.

Unit.	Examples of marking.
Head Quarters of an Army Corps	Hd. Qrs. A.C.
Head Quarters of an Infantry Division ..	Hd. Qrs. * Div.
Head Quarters of an Infantry Brigade ..	Hd. Qrs. * Inf. Bde.
Head Quarters of a Cavalry Brigade	Hd. Qrs. * Cav. Bde.
Household Cavalry (composite) Regiment ..	Hld. Cav. Rgt. Corps Cav. A.C.
Regiment of Cavalry (<i>e.g.</i> 2nd Cavalry Brigade)	† * Cav. Bde.
Regiment of Cavalry (with Infantry Division)	† * Div.
Regiment of Cavalry (with Corps Troops) ..	† Corps Cav. A.C.
Regiment of Cavalry (Pom-pom Section) ..	† Pom-pom Sec. * Cav. Bde. (or A.C.)
Mounted Infantry (Pom-pom Section) ..	Mtd. Inf. Pom-pom Sec. * Cav. Bde.
Head Quarters, Corps Artillery	Hd. Qrs. C. Art. A.C.
Brigade Head Quarters R.H.A. (Corps Artillery)	Bde. Hd. Qrs. R.H.A. C. Art. A.C.
Royal Horse Artillery Battery (with Cavalry Brigade).	* R.H.A. * Cav. Bde.
Royal Horse Artillery Battery (Corps Artillery).	* R.H.A. C. Art. A.C.
Brigade Head Quarters R.F.A. (with Infantry Division)	* Bde. Hd. Qrs. R.F.A. * Div.
Battery, Royal Field Artillery (with Infantry Division).	* R.F.A. * Div.
Brigade Head Quarters R.F.A. (with Corps Artillery)	Bde. Hd. Qrs. R.F.A. C. Art. A.C.
Battery, Royal Field Artillery (with Corps Artillery).	* R.F.A. C. Art. A.C.
Brigade Head Quarters R.G.A. Heavy Artillery (with Corps Artillery)	Bde. Hd. Qrs. Heavy Art. C. Art. A.C.
Battery R.G.A. Heavy Artillery (with Corps Artillery)	* R.G.A. C. Art. A.C.
Heavy Artillery Brigade R.G.A. Ammunition Column.	Hvy. Art. Bde. Amn. Col. C. Art. A.C.

* Letter or number of Unit, or number of formation.

† Designation of Regiment.

(EQ. R.)

Table II—continued.

Unit.	Examples of marking.
Ammunition Park (2nd Section)	* Ammn. Park 2. A.C.
Head Quarters, Corps Engineers	Hd. Qrs.
1st Field Troop, Royal Engineers	Corps Eng. A.C. I Fd. Trp. R.E.
1st Bridging Company, Royal Engineers	* Cav. Bde. 1 Brg. Co., R.E.
1st Telegraph Company, Royal Engineers	Corps Eng. A.C. I Tel. Co., R.E.
1st Balloon Company, Royal Engineers ..	Corps Eng. A.C. I Balln. Co. R.E.
Field Company, Royal Engineers (with Infantry Division)	Corps Eng. A.C. * Fd. Co. R.E.
Field Company, Royal Engineers (with Corps Troops)	* Div.
Mounted Infantry	* Fd. Co. R.E. Corps Eng. A.C.
Mounted Infantry Machine-gun Section ..	Mtd. Inf. * Cav. Bde.
Infantry Battalion (e.g. 2nd Rl. Highlanders, with Infantry Brigade)	Mtd. Inf. M-gur. Sec. * Cav. Bde.
Infantry Battalion (e.g. 1st Manchester Regiment with Corps Troops)	2 R. Highrs. * Inf. Bde.
Company, Army Service Corps (with Corps Troops).	1 Manch. R. Corps Inf. A.C.
Company, Army Service Corps (with Infantry Division).	* Co. A.S.C.
Company, Army Service Corps (with Infantry Brigade).	C.T. Supply Col. A.C.
Company, Army Service Corps (with Cavalry Brigade).	* Co. A.S.C.
	* Div. Supply Col.
	* Co. A.S.C.
	No. * Supply Col.
	* Co. A.S.C.
	* Cav. Bde. Supply Col.
Field Ambulance	No. * Fd. Amb.
Cavalry Field Ambulance	No. * Cav. Fd. Amb.

* Letter or number of Unit, or number of formation.

TABLE III.

DETAILED Marks, on various vehicles, which are to be in addition to the Corps Marks shown in Table II.

ROYAL HORSE AND ROYAL FIELD ARTILLERY.

54 Art. 1006	Description of vehicle.	Nature and position of marks.	Examples.
	Gun carriages	Nature of gun and letter of Sub-section on trail, near side.	12-pr. B.L.—D. U—R.H.A.
	„ limbers	Title of battery on trail, off side Nature of gun, and letter of Sub-section on rear of axletree with Marks other than 12-pr. Mark II and 15-pr. Mark IV, which are marked on rear of futchel.	110—R.F.A. 12-pr. B.L.—D.

Table III—continued.

ROYAL HORSE AND ROYAL FIELD ARTILLERY—continued.

Description of vehicle.	Nature and position of marks.	Examples.
Howitzer carriages ...	Nature of howitzer and letter of sub-section on trail, near side.	5-in. B.L.Hr.—D.
„ limbers ...	Nature of howitzer and letter of sub-section on rear of axletree.	5-in. B.L.Hr.—D.
Ammunition boxes ...	<i>Of Limbers and Wagons.</i> —Letter of Sub-section, in the left top corner of each box in rear.	
G.S. or ... } Ammunition and store wagons.	Title of battery on rim of foot-board, wagon number low down on tail-board.	89—R.F.A. (rim of footboard). 2 (tail-board).

AMMUNITION COLUMNS AND PARKS.

Gun carriages ...	Nature of gun on trail, near side ...	12-pr. B.L.
Limbers ...	Nature of gun on rear of axletree ...	15-pr. B.L.
Ammunition boxes ...	No. of sub-section in the left top corner of each box in rear.	
G.S. or } Ammunition and store wagons.	Title of unit on rim of foot board, number of wagon, low down on tail-board.	3 Bde. R.F.A. Ammn. Col. (rim of foot-board). 6.—(tailboard).
Carts, S.A.A ...	Title of unit on near side at front, and number of cart, on rear.	2 Bde. R.H.A. Ammn. Col. (front). 3—(rear).
Forage cart ...	Title of unit on centre of front ...	1 Ammn. Park-Staff (front).
Maltese cart ...	Title of unit on centre of front ...	1 Ammn. Park-Staff (front).

SIEGE ARTILLERY.

Gun or howitzer carriages.	The words "Siege Art." the nature of the piece, and its number on near side of trail or bracket. † Title of unit on off side of trail ...	Siege Art., 6-in B.L. Hr.—4. 9'45-in. B.L. Hr.—2. 107 R.G.A.
Limbers and boxes ...	The words "Siege Art." the nature of the piece, on rear of bed. Nature of gun or howitzer on left rear of boxes, close to top. † Title of unit on left rear of each box, close to top.	Siege Art. 6-in B.L. 107 R.G.A.
Platforms ...	The words "Siege Art." on end of platform when packed. † Title of unit on end of platform when packed.	Siege Art. 107 R.G.A.
G.S. or } Ammunition and store wagons.	The words "Siege Art." on the rim of foot board. † The title of unit and the number of the wagon low down on the tail-board.	Siege Art. 107 R.G.A. 2.
Wagons ...	The words "Siege Art." on the middle part of prypole.	Siege Art.

† Title to be marked on wagons in possession of companies only
 † For guns, carriages, &c., in possession of companies only.

Table III—*continued*.

MOVABLE ARMAMENT.

Description of vehicle.	Nature and position of marks.	Examples.
Gun carriages	Nature of gun or howitzer on near side of trail.	4·7-in. Q.F. 6-in. B.L. Hr.
Ammunition boxes ..	Of limbers and wagons. On centre of back.	"Movable Armament."

POMPOM SECTION.

Gun Carriage	Nature of gun on trail, near side ...	1-pr. Q.F.
	Title of regiment on trail, off side ...	3 D.G.
Limber	Nature of gun on rear of axletree ...	1-pr. Q.F.
Ammunition wagon ...	Nature of gun on rear of axletree ...	1-pr. Q.F.

HEAVY ARTILLERY (R.G.A.)

Gun carriages	Nature of gun and letter of subsection on trail, near side.	4·7-in. Q.F.—D.
	Title of company on trail, off side ...	31 R.G.A.
Limbers	Nature of gun and letter of sub-section on rear of axletree.	4·7-in. Q.F.—D.
	Letter of sub-section in left top corner of limber box in rear.	D
G.S. or Ammunition and store wagons. }	Title of company on rim of footboard Wagon number low down on tail-board	31 R.G.A. 2.

HEAVY ARTILLERY (R.G.A.) AMMUNITION COLUMN.

G.S. or Ammunition and store wagons. }	Title of unit on rim of foot-board ...	Heavy Art.—Bde.
	Number of wagon low down on tail-board.	Ammn. Col. 2.

TABLE IV.

SHOWING nature and size of letters and numerals to be used.

Marking.	Nature of letter or numeral.	Size.
Number of Army-Corps	Roman numerals	inches. 1½
Other numbers	Gothic numerals	1½
Initial letter of each word ...	Roman capital	1½
Other letters in each word... }	Roman capitals or small Roman letters ...	1½
All letters in abbreviations... }		1½

APPENDIX XI.

APPENDIX XI.

(REFERRED TO IN PARAGRAPH 299.)

List of Tools and Stores which will be supplied to Commanding Royal Engineers, for the Instruction of the Troops in Military Engineering.

54 Eng. 531 618 57 Nova Scotia 5092 20 Eng. 4086	Description of Articles.	Extra stores specially authorised.												Remarks.
		For Company of R.E. except Sierra Leone Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon, Esquimalt, and Singapore.	For Half-Company of R.E. at Pembroke Dock.	Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry except Mauritius and Ceylon.	For Infantry at Mauritius and Ceylon.	For Staff Officer for Instruction.	For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	For Half-Company of R.E. at Esquimalt, B.C.		
	<i>Woolwich Section, No. 1.</i>				4	..	..	..	..	..	..	..		
	A.—ACCOUTREMENTS.													
	Caps, knee, Royal Engineers pairs	8	..	4	4	..	..	..	..	..	..	..		
	<i>Woolwich Section, No. 2.</i>													
	A.—CAMP EQUIPMENT.													
	Axes, { felling, curved helve	2	1	1	2	2	2	..	..	1	7	..		
	Hooks, { hand, 2 lbs., 2 oz.	6	3	3	3	6	6	..	..	3	3	..		
	Hooks, bill	20	10	10	10	25	12	2	..	..	10	..		
	Mauls, G.S.	4	2	2	2	3	3	..	..	2	..	..		
	Mauls, G.S. { 5-feet	8	4	4	3	8	8	8	..	4	8	..		
	Posis, picket, { 2 1/2 "	..	..	..	..	..	..	..	..	..	..	..		

C.—TOOLS, &c., FOR INTRENCHING.

	120	60	60	25	150	100	25	...	...	4	...	Annual expenditure 35 per cent.
Axes, pick,	120	60	60	25	150	100	25	...	...	4	...	...
{ heads, 4½-lbs. ...	...	...	...	...	...	...	...	...	...	...	...	...
{ helves, 36-ins., ferruled	...	...	...	...	...	...	...	...	...	...	...	...
{ 24-ins. ...	...	...	...	...	...	...	...	...	...	...	...	...
Bags, sand, common	1,000	500	500	250	500**	500	100	500†	...	...	...	...
Barrows, wheel, { mark II, with wheels	...	...	...	...	...	...	...	...	...	...	...	...
Intrenching, { wrenches	...	...	...	...	...	...	...	...	...	...	...	...
{ 4-feet 6-inches ...	...	...	...	...	...	...	...	...	...	...	...	...
Bars, crow, { 3 " 6 "	...	...	...	...	...	...	...	...	...	...	...	...
Chokers, fascine ...	...	...	...	...	...	...	...	...	...	...	...	...
Forks, sandbag	...	...	...	...	...	...	...	...	...	...	...	...
Gabions, bands (sets of 10)	...	...	...	...	...	...	...	...	...	...	...	...
Knives, gabion ...	100	50	50	25	20†	...	10	...	...	...	...	...
Ladders, scaling, 6 feet (with lashings) §	12	6	6	5	25	...	2	...	...	...	...	...
Lamps, tracing ...	1	1	1	...	...	...	...	...	...	...	...	...
Lines, tracing ...	10	5	5	5	12	...	6	...	...	...	...	...
Mallets, fascine ...	8	5	5	5	2	...	2	...	...	...	...	...
{ bags, sand ...	...	...	...	...	...	...	...	...	...	...	...	...
{ boards, knots, 2 ft. 8 in. × 4 ft. 9 in.	...	...	...	...	...	...	...	...	...	...	...	...
{ fascines ...	...	...	...	...	...	...	...	...	...	...	...	...
{ magazines, rectangular ...	...	...	...	...	...	...	...	...	...	...	...	...
{ pins, iron, tracing, { large	...	...	...	...	...	...	...	...	...	...	...	...
{ small	...	...	...	...	...	...	...	...	...	...	...	...
{ platforms, siege, double decked, "C" pivot	...	...	...	...	...	...	...	...	...	...	...	...
{ rods ...	...	...	...	...	...	...	...	...	...	...	...	...
{ planks, bridging	...	...	...	...	...	...	...	...	...	...	...	...
{ 8-ft. 9-in., diameter at butt, 2½-in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 7-ft. 6-in., " 2½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 7-ft. 6-in., " 1½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 6-ft. 3-in., " 2-in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 5-ft. 6-in., " 1½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 5-ft. 6-in., " 1½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 3-ft. 9-in., " 2½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 3-ft. 9-in., " 1½ in.	...	...	...	...	...	...	...	...	...	...	...	...
{ 1-in. to 1½-in. diameter	...	...	...	...	...	...	...	...	...	...	...	...
{ splinter proof	...	...	...	...	...	...	...	...	...	...	...	...
Models, timber,	...	...	...	...	...	...	...	...	...	...	...	...
Forms	...	...	...	...	...	...	...	...	...	...	...	...
G. 989	...	...	...	...	...	...	...	...	...	...	...	...
23	...	...	...	...	...	...	...	...	...	...	...	...

* Including additional expendable stores for the instruction of the Survey Detachment, R. E.
 † For the instruction of the Survey Detachment, R. E.
 ‡ Forty ladders with lashings are allowed for use of battalions of infantry and fortress companies, R. E., at Devonport, Dover, Dublin, Edinburgh, Portsmouth, and Tower of London. At Hong Kong, Ceylon, Straits Settlements, and Jamaica, ladders of the ordinary standing or of a locally improvised pattern, are to be used in the proportion of 12 to each station. At other stations 12 scaling ladders with lashings will be allowed for each fortress company, R. E., but in these cases, should such articles be available in the army ordnance department as part of any authorized reserve, they will be issued therefrom temporarily for the purpose, and additional ones need not be provided.

§ Where brushwood is dear.

** 1000 additional for Malta.

APPENDIX XI—continued.

Description of Articles.	For Company of R.E., except Sierra Leone Fortresses Coy., R.E.										For Half-Company of R.E. at Ceylon, Kasquilma, and Singapore.		For Half-Company of R.E. at Pembroke Dock.		Sierra Leone Fortresses Coy., R.E.	For Battalion of Infantry, except Mauritius and Ceylon.		For Infantry at Mauritius and Ceylon.		For Staff Officer for Instruction.	For Royal Engineers at Curragh.*		For Infantry, Tower of London.		For Half-Company of R.E. at Kasquilma, B.C.		Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	For Company of R.E., except Sierra Leone Fortresses Coy., R.E.		For Half-Company of R.E. at Ceylon, Kasquilma, and Singapore.		For Half-Company of R.E. at Pembroke Dock.		Sierra Leone Fortresses Coy., R.E.	For Battalion of Infantry, except Mauritius and Ceylon.		For Infantry at Mauritius and Ceylon.		For Staff Officer for Instruction.	For Royal Engineers at Curragh.*		For Infantry, Tower of London.		For Half-Company of R.E. at Kasquilma, B.C.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
<i>Woolrich Section, No. 2—continued.</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

† To be provided locally at Singapore; not supplied at Woolrich and Ceylon. \$ Ceylon only if obtainable locally, if not, 84 gallons.

APPENDIX XI—continued.

	Description of Articles.	For Company of R.E., except Sierra Leone Fortress Coy., M.R.	For Half-Company of R.E. at Ceylon, Esquimalt, and Singapore.	For Half-Company of R.E. at Pembroke Dock.	Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius and Ceylon.	For Infantry at Mauritius and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.				Remarks.
									For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	For Half-Company of R.E. at Esquimalt, H.C.	
57	<i>Woolwich Section, No. 8.</i>	4	4	4	4	4	4	...	...	...	...	...	Not supplied at Wool-
Ceylon	A.—Anchors, Blocks, Canvas, Cordage, etc.	...	...	...	...	...	...	...	...	...	...	...	which, at Ceylon In-
2207	Anchors, boat, 1 cwt. ...	...	...	...	...	...	...	...	...	...	...	...	fantry only. †Cey-
54	8-in. galvan-ised	...	...	...	...	...	...	...	...	...	...	...	lon only.
Eng's.	double	...	...	...	...	...	...	...	...	...	...	...	Annual supply.
531	Blocks, malleable	...	...	...	...	...	...	...	...	...	...	...	† Malta only.
57	cast iron	...	...	...	...	...	...	...	...	...	...	...	Annual expendi-
Malta	7-in.	...	...	...	...	...	...	...	...	...	...	...	ture 10 per cent.
2856	4-in.	...	...	...	...	...	...	...	...	...	...	...	‡ Ceylon only.
54	(tarred, spun yarn, hemp, 3-thread	...	...	...	...	...	...	...	...	...	...	...	Annual supply.
Eng's.	30 to 36 fms. (guys)	...	...	...	...	...	...	...	...	...	...	...	† Malta only.
531	3-inch, { 20 fathoms	...	...	...	...	...	...	...	...	...	...	...	Annual expendi-
	hemp { 15 " { 9 fms. (foot ropes)	...	...	...	...	...	...	...	...	...	...	...	ture 10 per cent.
	hawser, { 2 " { 9 " { (falls)	...	...	...	...	...	...	...	...	...	...	...	
	3-strand, { 6 " { 6 " { (lashings)	...	...	...	...	...	...	...	...	...	...	...	
	tarred, { 1 " { 2 " { "	...	...	...	...	...	...	...	...	...	...	...	
	or white { 1 " { 2 " { "	...	...	...	...	...	...	...	...	...	...	...	
57	Lines, Hambro' ...	...	...	...	...	...	...	...	...	...	...	...	
Ceylon	Oars, ash, 12-feet	...	...	...	...	...	...	...	...	...	...	...	
2205	Rope, galvanised, steel wire, 3-inch	...	...	...	...	...	...	...	...	...	...	...	
	Twine, whipping, coarse ...	...	...	...	...	...	...	...	...	...	...	...	

APPENDIX XI—continued.

Description of Articles.	For Company of R.E. except Sierra Leone Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon, Kagulmalt, and Singapore.	For Half-Company of R.E. at Rembroke Dock.	Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius and Ceylon.	For Infantry at Mauritius and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.				Remarks.
								For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	For Half-Company of R.E. at Kagulmalt.	
<i>Woolwich Section, No. 12—continued.</i>												
<i>TIMBER—continued.</i>												
Timber, slight, length and size immaterial	..	..	..	100	..	..	..	..	..	..	..	Annual supply.
Profiling stuff, { 1½ in. x ½ in. c	..	..	..	..	..	500	..	..	..	..	..	Annual supply.
Profiling stuff, { (model), ½ in. x ¼ in.	..	..	..	..	..	..	..	..	..	..	..	Annual supply.
<i>Woolwich Section, No. 14.</i>												
Garrison Mountings, &c.	..	..	..	..	..	..	..	..	..	..	..	
Handspikes, common, 6-feet ...	6	3	3	3	..	2	2	..	2	2	..	
<i>Woolwich Section, No. 18—</i>												
<i>SIDE-ARMS, TAMFRONS, &c.</i>												
Selvagees, 43-inch ...	..	..	..	..	..	..	..	..	..	..	..	
<i>Woolwich Section, No. 19.</i>												
<i>A.—HALF WROUGHT STORES.</i>												
Brushwood—	..	..	..	..	..	..	..	100\$	24	..	..	Annual expenditure 50 per cent.
Fascines ...	+	..	225d	..	+	..	..	100\$	..	..	..	*These pickets can be cut in half for low wire entanglements or fascines.
Gabions ...	+	..	225d	..	+	..	..	..	..	..	..	
Pickets* (High wire entanglements) ...	..	..	..	..	100	2	..	..	..	..	..	
<i>B.—ANCHORING AND LIFTING APPARATUS.</i>												
Chain, iron, crane, ½-inch (in lengths of 12 fms.) fms.	48	48	48	48	..	..	..	..	..	..	..	

57' Salisby.
33

APPENDIX XI—continued.

[illegible]

Pontoons—

57

Ceylon

2205

MINER'S TOOLS AND STORES.

Bars, pinching, 3-feet
 Blowers, rotary { hose, 1½-in. ...
 wrenches, 1½-inch hose
 Buckets, miner's
 Candlesticks, miner's
 Cases, mining, { common, gallery
 shaft
 Frames, mining, { branch, gallery
 common, gallery ...
 shaft,
 shaft top
 Ladders, rope, miner's, 20-feet ...
 Picks, push
 Trucks, miner's

D.—RANGE FINDING STORES.

Mekometers, { left
 right
 G.S. { cords and reels sets

Woolwich Section No. 30.

OLD STORES.

Cordage, old, for teaching knots lbs.

NOT IN VOCABULARY.

Dynamite lbs.

Engins. Gelatine, blasting

619

* Including additional expendable stores for the instruction of the Survey Detachment, R.E.

† Two sets of mekometers will be held on charge by C.R.E. for use of R.E. units (other than field companies) at each of the following stations:—Aldershot, Bermuda, Gibraltar, Malta and South Africa, and one set for each of the following stations:—Cork, Gravesend, Harwich, Isle of Wight, Pembroke Dock, Plymouth, Portsmouth, Sheerness, Ceylon, Hong Kong, Jamaica, Mauritius, Singapore and Victoria B.C.; and at Dublin and Southampton for the use of the survey companies.

‡ At stations where dynamite cannot be provided locally, it will not be supplied, but twice the quantities of gunpowder included in this Appendix, page 249, may be drawn.

Special quantities (or gunpowder in lieu) are allowed to Gibraltar and Malta, viz.:—

Gibraltar 80 lbs.
 Malta 40 lbs.

§ For the instruction of the Survey Detachment, R.E.

APPENDIX XI—continued.

Description of Articles.	For Company of R.E., except Sierra Leone Fortress Coy., R.E.	For Half-Company of R.E. at Ceylon, Esquimalt, and Singapore.	For Half-Company of R.E. at Pembroke Dock.	Sierra Leone Fortress Coy., R.E.	For Battalion of Infantry, except Mauritius and Ceylon.	For Infantry at Mauritius and Ceylon.	For Staff Officer for Instruction.	Extra stores specially authorised.				Remarks.
								For Royal Engineers at Curragh.*	For Infantry at Dublin.	For Infantry, Tower of London.	For Half Company of Royal Engineers at Esquimalt, B.C.	
<i>Woolwich Section No. 30—continued.</i>												
<i>Not in VOCABULARY—continued.</i>												
Models { elementary ... sets	..	..	..	..	..	..	2	..	..	..	..	{ Annual supply for wire entangle ments. Local purchase. Annual supply.
uncontoured, 6 to a set	..	..	..	..	..	..	1	..	..	..	..	
Pickets { 5-feet ..	100	50	50	50	100	100	..	..	..	..	..	
2-feet 6-inches ..	200	100	100	100	200	200	..	..	..	..	..	
Presses, for storing instruments, paper, etc.	..	..	..	..	..	..	..	..	..	..	..	
Straw ..	..	..	..	..	..	..	..	..	..	..	..	
Tanks, for water and waste for class-room (R.M.A. pattern) ..	20	10	10	..	..	..	..	10+	..	..	..	
Supplied from War Office.	..	..	..	..	..	..	1	..	..	..	..	
Smooth drawing paper, "War Office, Columbia," sheets	..	..	..	..	..	..	30	..	..	..	..	
Paper, ruled, for prismatic compasses	..	..	..	..	..	..	10	..	..	..	..	
Paper, large, coarse, called "endless paper," for maps and diagrams ..	..	..	..	..	..	..	1	..	..	..	..	
Indian ink ..	..	..	..	..	..	..	2	..	..	..	..	
Boxes of moist colours, complete, with large, medium, and small brushes ..	..	..	..	..	..	..	1	..	..	..	..	

(REFERRED TO IN PARAGRAPH 300.)

LIST A.—General list of stores required by batteries of horse and field artillery for performing all the operations mentioned in Field Artillery Training.

Description of Stores.	No. allowed.	Remarks.
WOOLWICH SECTION, No. 2.		
<i>A.—Camp Equipment.</i>		
Mauls, G.S.	4*	
Posts, picket, 2½-ft.	20*	
Ropes, picketing, 80-ft. tarred	4*	
<i>C.—Tools, &c., for Intrenching.</i>		
Axes, pick, { heads, 4¼-lb.	8*	
{ helves, 36-in. ferruled	8*	
Shovels, G.S.	8*	
WOOLWICH SECTION, No. 4.		
<i>Carts and Wagons.</i>		
Casks, water, 108 gallons.. .. .	21	
WOOLWICH SECTION, No. 8.		
<i>A.—Anchors, Blocks, Canvas, Cordage, &c.</i>		
Blocks, wood, snatch, 8-in.	1	
Cordage, { tarred, spunyarn, hemp, 3-thread lbs.	14	To be replaced as expended.
{ 3-in., 9 fathoms	1	
{ tarred, { 2½-in., 30 fathoms (falls)	1	
{ 1½-in., 5 fathoms (lashings)	40	
{ 1-in., 3½ fathoms ,,	10	} Annual expenditure } 10 per cent.

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List A—continued.

Description of Stores.	No. allowed.	Remarks.
WOOLWICH SECTION, No. 12		
<i>Timber.</i>		
Timber—		
Planks, bridging, service— 10 ft. by 12 in. by 1½ in. ..		
Spars, bridging, service—		
<i>Length.</i> <i>Diameter.</i>		
41 feet × 8 ins. mean ..	1	
35 „ × 10 „ „ ..	1	
24 „ × 5 „ „ ..	20	
15 „ × 10 „ „ ..	4	
WOOLWICH SECTION, No. 13.		
<i>Field Artillery Carriages, &c.</i>		
Limbers, field	1*	
WOOLWICH SECTION, No. 14.		
<i>Garrison Mountings, &c.</i>		
Handspikes, common, 6-ft. ..	2*	
WOOLWICH SECTION, No. 18.		
<i>Side-arms, Tampeons, &c.</i>		
Ropes, drag, light, G.S. pairs	12*	
WOOLWICH SECTION, No. 28.		
<i>F.—Pontoon Stores.</i>		
Pontoons, barrel pier, braces ..	36	
WOOLWICH SECTION, No. 29.		
<i>A.—Telegraph and Survey Apparatus, &c.</i>		
Rods, measuring, common, 6-ft. ..	1	
Tapes, measuring, 50-ft. ..	1	
<i>Not in Vocabulary.</i>		
Poles, wood, limber, field	8*	
Tackles, luff, tarred, 2½-in. rope, 10 fathoms, with one double and one single 8-in. Admiralty blocks, single sets		
Wheels, travelling, 2nd class, metal nave,		
field	4*	

* The stores forming the equipment of the battery under instruction will be available to make up these quantities.

APPENDIX XII—*continued*.
 List B.—List showing the Stores required for the several operations.

Operation.	Nature of Stores.	Stores required.	Remarks.
Steep inclines.	Axes, pick, helved, $4\frac{1}{2}$ lbs. .. Lashings, tarred, $1\frac{1}{2}$ -in., 5 fms. .. Mauls, G.S. .. Posts, picket, $2\frac{1}{2}$ -ft. .. Ropes, picketing, tarred. .. Shovels, G.S. ..	2 8 2 6 2 2	
Passing a ravine on two spars laid horizontally. (If four spars are available 12 lashings will be required).	Axes, pick, helved, $4\frac{1}{2}$ lbs. .. Lashings, tarred, $1\frac{1}{2}$ -in., 5 fms. .. Posts, picket, $2\frac{1}{2}$ -ft. .. Ropes, drag, light, G.S. .. Shovels, G.S. .. Timber, spars, 15 ft. to 20 ft. mean diam. 10-in.	2 4 2 6 2 2	
Using limber to support the road bearers.	Axes, pick, helved, $4\frac{1}{2}$ lbs. .. Lashings, { $1\frac{1}{2}$ -in., 5 fms. tarred, { 1-in., 3 $\frac{1}{2}$ fms. Limbers, field .. Posts, picket, $2\frac{1}{2}$ -ft. .. Ropes, drag, light, G.S. .. Shovels, G.S. .. Mauls, G.S. .. Timber, { planks, 10 ft. by 12 in. by $1\frac{1}{2}$ in. spars, { 24 ft. by 5 in. mean 15 ft by 10 in. at butt	2 14 10 1 4 4 2 2 40 14 4	

APPENDIX XII—continued.

Operation.	Nature of Stores.	Stores required.	Remarks.
Emplacements, gun pits, shelter trenches.	Tackles, luff, complete single sets	2	{ For each man of the working party, and 10 per cent. spare.
	Timber, { 40 ft. at tip 4 in. to 6 in.	1	
	spars, { 35 ft. by 10 in. mean	1	
	{ 15 ft. by 10 in. at butt	1	
	Axes, pick, helved. 4½ lbs.	1	
	Shovels, G.S.	1	

APPENDIX XIII.

(REFERRED TO IN PARAGRAPH 300.)

LISTS OF TOOLS AND STORES FOR INSTRUCTION IN MILITARY ENGINEERING FOR A REGIMENT OF CAVALRY.

Stores for the Instruction of Cavalry Pioneers in Military Engineering.

Description.	Stores required.	Subject for which required.	Remarks.
WOOLWICH SECTION, No. 2.			
<i>A.—Camp Equipment.</i>			
Hooks, bill	3	For bivouacs and huts.	
Mauls, Gt.S.	1	For bridging.	
Posts, picket, 5 ft.	4	" "	
<i>C.—Tools, &c., for Intrenching.</i>			
Mallets, fascine	2	For bivouacs and huts.	
WOOLWICH SECTION, No. 4.			
<i>Carts and Wagons.</i>			
Casks, water, 108 gallons (with bung near bottom to fit tap)	1	For water supply.	To be fitted locally.
Taps, carts, water barrel	1	" "	" "

APPENDIX XIII—continued.

Description.	Stores required.	Subject for which required.	Remarks.
WOOLWICH SECTION, No. 7.			
<i>Tools, Artificers' and Labourers'.</i>			
Hammers, claw, 14 oz.	1	For water supply.	Annual supply. " " " "
Saws, hand, 26-in.	1	"	
Wire, { copper, No. 28 W.G.	6	For demolitions ..	
ordinary, { iron, soft, No. 14 W.G.	30	For obstacles ..	
WOOLWICH SECTION, No. 8.			
<i>A.—Anchors, Blocks, Canvas, Cordage, &c.</i>			
Cordage, { hawser, 3-strand, tarred, 1½-in. (in lengths of 5 fathoms) fms.	100	For bridging.	Annual supply.
	10	For bivouacs and huts	
WOOLWICH SECTION, No. 10.			
<i>A.—Ironmongery, &c.</i>			
Nails, wire, iron, grooved, 2-in. lbs.	3	For water supply ..	Annual supply.
WOOLWICH SECTION, No. 12.			
<i>Timber.</i>			
Timber—	25	For bridging.	Annual supply.
	50	For bivouacs and huts	

APPENDIX XIII—continued.

Description.	Stores required.	Subject for which required.	Remarks.
WOOLWICH SECTION, No. 28			
<i>F.—Pontoon Stores.</i>			
Pontoons, sticks, rack	12	For bridging.	
WOOLWICH SECTION, No. 29.			
<i>B.—Platelayers' Tools, &c.</i>			
Plant, railway, old, { chairs { keys, wooden { rails, lengths of 6 yards { sleepers	12	For demolitions.	} Annual supply.
	12	"	
	2	"	
	6	"	
		"	
<i>Not in Vocabulary.</i>			
Gravel (as required, on the spot)	..	For water supply.	Annual supply.
Pickets, wood, 2-ft. 6-in.	50	For obstacles ..	"
Sand, coarse	4	For water supply ..	"
Straw, thatching, wheat	$\frac{1}{2}$	For bivouacs and huts	"

APPENDIX XIV.

MATERIALS FOR REPAIR OF HARNESS AND SADDLERY.

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

$$20 \text{ sets} = \frac{1}{2} \times 40 \quad \text{not} \quad 4 \times 5.$$

$$49 \text{ „} = 40 + 8 \quad \text{„} \quad 10 \times 5.$$

A variation of two sets may be disregarded.

2. Infantry battalions having three or four sets of harness will draw for five sets, which will include their universal saddlery.

3. Hides and backs should be cut lengthwise from neck to butt, when it is necessary to divide them into proportions.

Materials for Repair of

TABLE 1.

Peace—12 Months'

Officers. — 5 Sets.	Harness.				Item.
	Single Sets.				
	5	8	25	40	

Woolwich Section, No. 5.

Protectors, cloak	..	..	..	1	2	1
Saddle-trees, { drivers' .. pairs	..	..	1	2	3	2
{ flaps, { luggage .. "	..	..	1	2	3	3
{ officers' .. "	1	..	..	..	..	4
{ seats, { drivers'	..	..	1	2	3	5
{ luggage	..	..	..	1	2	6
{ officers'	1	..	..	..	..	7
Traces, { hooks (with rubber ring) ..	..	..	..	1	2	8
{ rings (rubber)	..	10	16	50	80	9
{ short, hooks, Mark II, pole draught	..	..	..	1	2	10

Woolwich Section, No. 6.

Attachments, releasable, wheel trace ..	..	..	..	1	2	11
Basils, { strained	1	*	*	*	*	12
{ brown, { unstrained	..	..	..	..	..	13
Blankets, saddle, cuttings .. lbs.	..	$\frac{1}{2}$	$\frac{3}{4}$	2	3 $\frac{1}{2}$	14
{ bit, O.P.	1	1	1	3	5	15
Bosses, { " N.P.	..	..	..	..	..	16
{ head collar officers' ..	1	..	..	..	..	17
{ 1 $\frac{1}{2}$ -inch	1	..	..	..	..	18
{ double, { 1 "	1	..	..	..	..	19
{ 1 "	1	..	..	..	..	20
{ 1 "	1	1	2	4	8	21
{ 1 "	1	..	..	..	..	22
Buckles, { 1 $\frac{1}{2}$ "	..	..	1	1	2	23
{ brass roller, { 1 "	..	..	..	1	2	24
{ single, { 1 "	..	..	..	..	..	25
{ 1 "	..	1	1	2	3	26

Harness and Saddlery.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	..	..	..	..	..	For use with the special wheel hook. R.A. only.
2	..	..	..	..	..	..	
3	..	..	..	..	..	..	
4	..	..	..	..	..	..	
5	..	..	..	..	..	..	
6	..	..	..	..	..	..	
7	..	..	..	..	..	..	
8	..	..	..	..	3	..	
9	..	..	..	..	..	..	
10	..	..	..	..	..	..	
11	..	..	..	..	2	..	R.A. only. * 6 per 100 pairs hair or flock pannels in use for "Peace."
12	*	*	*	*	..	..	
13	..	..	..	..	6	..	1 per 2 collars, neck, in use.
14	$\frac{1}{2}$	$1\frac{1}{2}$	$3\frac{1}{2}$	8	..	..	Cavalry only, Mark II bit. V. Girth attachment. For rifle buckets, and luggage saddles. For Cavalry rifle buckets half these quantities only will be allowed.
15	1	2	5	12	..	..	
16	1	2	5	12	..	..	
17	..	..	..	..	..	..	
18	..	..	..	..	..	..	
19	..	..	..	..	..	..	
20	..	..	..	..	..	..	
21	1	3	7	16	3	3	
22	..	..	..	..	..	..	
23	..	1	2	4	6	6	V. Girth attachment. For rifle buckets, and luggage saddles. For Cavalry rifle buckets half these quantities only will be allowed.
24	1	2	4	10	..	6	
25	1	2	3	8	3	3	Numnah pannels.
26	..	1	2	4	..	..	

(EQ. R.)

Materials for Repair of

TABLE 1—continued.

TABLE 1—continued.		Peace—12 Months'									
		Officers. — 5 Sets.	Harness.				Item.				
			Single Sets.								
			5	8	25	40					
Woolwich Section, No. 6—cont.											
Buckles,	iron,	roller,	barred, double roller, $\frac{1}{8}$ -inch		..	1	1	2	4	1	
			black japanned roller,		..	1	1	5	8	2	
			single, $1\frac{1}{8}$ -inch ..		..	1	1	2	3	3	
			double,	barred, $1\frac{1}{4}$ -inch, curved		1	1	1	2	4	4
				$1\frac{1}{4}$ -inch ..		..	1	1	2	3	5
				1 " ..		..	1	1	2	3	5
				$\frac{1}{8}$ " ..		..	1	1	2	4	6
				$\frac{1}{8}$ " ..		..	1	1	2	4	6
			single,	$2\frac{1}{4}$ " bow leg ..		..	..	1	1	2	7
				$2\frac{1}{4}$ " straight leg		..	..	1	1	2	8
				2 " bow leg ..		..	..	1	2	3	9
				$1\frac{1}{2}$ " " ..		..	..	1	1	2	10
				$1\frac{1}{2}$ " straight leg		..	..	1	1	2	11
				$1\frac{1}{2}$ " bow leg ..		..	1	2	5	8	12
				1 " barred ..		1	1	2	5	8	13
				$\frac{3}{4}$ " ..		..	1	1	5	8	14
				$\frac{3}{8}$ " ..		..	..	..	..	15	
				nickel,	sunk, bar, 1-inch		2	..	..	..	16
					$1\frac{1}{8}$ -inch ..		1	..	..	..	17
{	curb, Port- H. & S.	..	..		..	..	18				
	mouth bit	Reversible..	1		1	1	4	6			
	6 links	..	1		1	3	5				
{	bridoon ..	..	..		..	..	21				
	5 "	..	..		..	..	22				
	steel, wheel, trace ..	..	..		1	2	23				
Cord,	{ cotton .. yds.		..		1	2	6	10	23		
	{ whip .. lbs.		..		$\frac{1}{2}$	$\frac{3}{4}$	2	3 $\frac{1}{2}$	24		
	{	1-inch stout ..	..	..	..	..	25				
		1-inch $\times$ $\frac{3}{4}$ -inch ..	..	..	..	..	26				
Gen. No.	Felt, brown, 43 inches wide	inches	..	5	5	10	15	27			
9553	Flock	..	..	..	..	..	..	..			
54		..	..	..	..	..	..	..			
Officers'		..	..	..	..	..	..	..			
297		..	..	..	..	..	..	..			
57		..	..	..	..	..	..	..			
Gen. No.	Hair, horse, saddlery	..	..	*	*	*	*	*			
5248											

a For N.P. officers' saddlery.

* Hair pannels only, 7 lbs. per 25 pairs.

Harness and Saddlery—continued.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	..	..	..	2	..	Forstable-head collars.
2	1	3	8	18	..	..	
3	1	2	5	12	3	3	
4	1	2	4	8	3	3	{ For shaft draught, 2½-inch backbands and tugs.
5	1	1	2	4	9	3	
6	1	2	4	8	3	..	
7	..	..	..	..	..	..	{ For shaft draught, 1½-inch backbands and tugs.
8	..	..	..	..	..	..	
9	..	..	..	..	3	..	
10	..	..	..	..	6	..	{ For shaft draught, 1½-inch backbands and tugs.
11	..	..	..	..	..	..	
12	..	..	..	..	9	..	
13	1	3	8	20	6	6	For girths.
14	1	3	8	20	9	6	
15	..	2	4	8	..	..	For regiments having lances.
16	..	..	..	..	..	..	For girths, N.P.
17	..	..	..	..	..	..	For stirrupleathers, N.P.
18	1	2	7	15	..	4	Not for mounted In- fantry. Mounted Infantry only. R.A. only.
19	1	2	7	15	4	4	
20	1	2	5	12	3	3	
21	1	2	7	12	..	3	For rifle buckets. For cavalry rifle buckets.
22	..	..	..	..	1	..	
23	..	..	..	..	6	..	
24	..	..	..	..	1½	..	For rifle buckets. For cavalry rifle buckets.
25	1	2	4	10	..	6	
26	1	1	2	5	..	3	
27	5	5	12	28	10	10	
28	..	..	..	..	..	..	
29	*	*	*	*	6†	..	

† Luggage pannels.

Materials for Repair of

TABLE 1—continued.

Peace—12 Months'

TABLE 1—continued.					Officers.		Harness.				Item.
					5 Sets.	Single Sets.					
						5	8	25	40		
Woolwich Section, No. 6—cont.											
						$\frac{1}{4}$	..	..	..	..	1
						$\frac{1}{4}$	..	$\frac{1}{2}$	$1\frac{1}{2}$	2	2
						..	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{2}$	3
						..	..	..	$1\frac{1}{4}$	$1\frac{1}{2}$	4
						..	..	..	$1\frac{1}{4}$	$1\frac{1}{2}$	5
						..	..	..	$1\frac{1}{2}$	1	6
						..	..	..	..	..	7
8						..	..	..	..	..	8
Equipt.						1	1	1	5	8	8
9						..	..	..	..	..	9
						..	..	..	..	..	
54						..	..	..	1	2	10
Cav.						..	1	2	5	8	11
738						..	1	2	5	8	12
38407						..	..	..	..	..	
Equipt.						..	..	..	..	..	
2032						..	1	1	3	4	13
						..	..	..	..	..	14
						1	..	..	..	..	15
						1	..	..	..	..	16
						1a	..	..	..	..	17
						1	..	..	1	2	18
						..	..	..	..	..	19
						..	..	..	1	2	20
						..	..	..	..	..	21
						..	..	..	1	2	22
						..	15	20	65	100	23
						..	..	..	..	..	
						..	3	4	14	20	24
						..	..	1	2	3	25
						..	..	..	..	..	
						..	1	1	2	4	26
						..	1	1	2	4	27
						..	1	1	2	4	28
						..	..	..	..	..	29
						..	..	..	..	..	30
						1	..	..	..	..	31
						..	..	1	1	2	32
						..	..	1	1	1	33
						..	..	..	1	1	34

† Harness A.S.C. only.

‡ 1 yard for each 10 pairs luggage hair pannels.

Harness and Saddlery—continued.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	$\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$	..	..	For numnah pannel caps, for attachment of cavalry rifle bucket (L. of C. § 12417). R.A. only.
2	$\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{4}$	3	$\frac{3}{8}$	$\frac{8}{8}$	
3	..	..	..	..	$\frac{1}{4}$	..	
4	..	$\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{3}$	$\frac{1}{8}$	..	
5	..	..	..	..	..	..	
6	..	..	..	..	..	..	
7	1	3	9	20	..	8	
8	1	2	9	20	8	8	
9	1	1	2	5	..	3	
10	..	..	..	..	..	..	For Mark III (cavalry pattern), head collar.
11	..	..	..	..	3	..	
12	1	3	8	20	..	..	
13	1	2	4	10	..	..	
14	..	..	..	..	..	..	
15	..	..	..	..	..	..	
16	..	..	..	..	..	..	
17	..	..	..	..	..	..	
18	..	..	2	2	..	..	
19	..	..	..	..	..	..	1 per 25 pairs saddle traces in use.
20	..	1	2	2	..	..	For stable head collars. For Mark III (cavalry pattern), head collar. For stable head collar.
21	..	1	2	2	..	..	
22	..	1	2	3	..	..	
23	15	40	100	250	40	40	
24	3	8	20	50	..	..	
25	1	1	3	8	..	..	
26	..	..	..	..	..	..	
27	..	..	..	..	3§	..	
28	1	2	4	8	..	..	
29	1	2	4	8	..	..	} For stable head collar. R.A. only.
30	..	..	..	..	..	..	
31	..	1	2	3	..	..	
32	..	1	1	2	..	..	
33	..	..	..	..	..	..	

§ Luggage pannels only.
 a For N.P. officers' saddlery.

Materials for Repair of

TABLE 1—continued.

TABLE 1—continued.					Peace—12 Months'					Item.
					Officers. — 5 Sets.	Harness.				
						Single Sets.				
						5	8	25	40	
Woolwich Section, No. 6—cont.										
Squares,	{	brass	1	..	..	..	..	..	1	
		iron	..	..	1	1	4	2		
Steel pieces,		6½ in. × 1¼ in. . .	..	..	..	..	..	..	3	
Straps,	{	girth, for V attachment ..	..	2	4	12	18	4		
		hook, pole-bar	..	1	1	3	5	5		
		releasable	..	1	1	3	5	6		
Studs,	{	frog, sword, saddle	..	..	..	..	..	7		
		head collar attachment ..	..	1	1	3	5	8		
		wallet	1	1	1	2	4	9		
Thread,	{	black, 3-cord lbs. ozs.	0 2	..	..	..	..	10		
		flax fine	0 4	0 8	0 12	2 8	4 0	11		
		whited brown	0 1	*	*	*	*	12		
Twine, quilting	{	.. ..	0 2	0 1	0 1	0 2	0 4	13		
			..	..	..	..	..	..		
Web, hemp	{	3-inch (straining) yds.	1	2	3	8	13	14		
		2 " thick	..	¼	¼	1¼	2	15		
		1¾ " " " " ..	..	½	½	2	3¼	16		
Buckles,	{	roller,	double, 1-inch	..	..	1	2	17		
			single, { 1¼-inch	..	..	1	2	18		
		nickel	1½-inch	..	..	1	4	6	19	
			1¼ " " " " ..	..	..	1	2	20		
			1 " " " " ..	..	..	1	2	21		
Dees, nickel,	{	1½-inch	..	..	1	2	22			
		1¼ " " " " ..	..	..	1	2	23			
		1 " " " " ..	..	..	1	2	24			
Links, nickel,		1¼-inch	..	..	1	2	25			
Loops, crupper, double, nickel		.. ..	..	..	1	2	26			
Rings, nickel,	{	1½-inch	..	..	1	2	27			
		1¼ " " " " ..	..	..	1	2	28			
		1 " " " " ..	..	..	1	2	29			
Screws, pad, iron		.. ..	..	..	1	2	30			
Squares, nickel, 1½ in. × 1¼ in.		.. ..	..	1	1	2	31			

* 1 oz. per 5 pairs hair pannels in use.

Harness and Saddlery—continued.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	..	..	..	..	..	For N.P. officers' saddlery.
2	1	1	2	4	3	3	For cavalry rifle buckets.
3	1	3	8	20	..	..	
4	3	7	18	45	..	..	
5	..	..	..	..	5	..	} R.A. only.
6	..	..	..	..	5	..	
7	1	2	5	12	..	..	
8	1	3	7	16	..	..	
9	1	2	5	12	..	..	
10	..	..	..	..	..	..	
11	0 4	0 12	2 0	5 0	2 4	2 4	
12	*	*	*	*	0 12	..	
13	0 1	0 2	0 4	0 8	1 8	..	
14	2	5	13	32	..	..	½ oz. additional per pair hair pannels in use. 8 yards additional for each 25 steel arch universal saddles in use.
15	¼	¾	2	4¾	..	..	} Harness, A.S.C., N.P. only.
16	½	1½	3½	8	..	..	
17	..	..	..	..	6	..	
18	..	..	..	..	6	..	
19	..	..	..	..	18	..	
20	..	..	..	..	6	..	
21	..	..	..	..	6	..	
22	..	..	..	..	6	..	
23	..	..	..	..	6	..	
24	..	..	..	..	..	..	
25	..	..	..	..	..	..	
26	..	..	..	..	..	..	
27	..	..	..	..	..	..	
28	..	..	..	..	..	..	
29	..	..	..	..	..	..	
30	..	..	..	..	..	..	
31	..	..	..	..	..	..	

Materials for Repair of

TABLE 1—continued.

Peace—12 Months'

		Officers. — 5 Sets.	Harness.				Item.
			Single Sets.				
			5	8	25	40	
<i>Woolwich Section, No. 7.</i>							
Wire, ordinary	Needles, darning, 3-inch	..	..	..	..	..	1
	{ copper, No. 7 W.G., hard lbs. ozs.	..	..	0 1	0 2	0 4	2
	{ iron, " 1 " " "	..	0 2	0 3	0 8	1 0	3
	{ " " 4 " " "	..	..	0 4	0 8	1 0	4
<i>Woolwich Section, No. 8.</i>							
Canvas, sail, No. 3 inches	Cordage, { hemp, bolt, 3-strand, { white, 3-inch § fms. { hemp, bolt, 3-strand, { white, 1½-inch § fms. { trace, 2¼-inch.. " {	..	3	3	6	10	5
		..	..	..	6	12	6
		..	..	..	8†	15†	7
		..	..	..	12	24	8
		..	..	..	4	7	9
		..	..	..	5†	9†	10
<i>Woolwich Section, No. 9.</i>							
Spelter, brass lbs. ozs.		..	0 1	0 1	0 3	0 5	11
<i>Woolwich Section, No. 10.</i>							
Nails, steel, clout, flathead, fine, No. 90.. .. lbs. ozs.		..	0 1	0 2	0 3	0 6	12
Tacks, steel, cut, No. 197		..	0 3	0 4	0 9	1 4	13
Screws, iron, { flathead { ¾-inch, G, No. 10 " " " 9 1¾ " " 14 1¼ " " 13	..	..	2	2	3	5	14
	..	3	4	12	20	15	15
	2	..	..	..	..	16	16
	2	..	..	..	..	17	17
<i>Woolwich Section, No. 11.</i>							
Borax, refined lbs. ozs.		..	0 1	0 1	0 3	0 5	18
Glue, B.T.M.		..	0 2	0 2	0 4	0 8	19
Ink, { marking pints " woollens	..	⅛	⅛	¼	½	20	20
	..	..	..	..	..	21	21
Wax, { bees' lbs. ozs. black §	0 2	0 1	0 1	0 2	0 4	22	22
	0 2	0 4	0 6	1 4	2 0	23	23

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Art.

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A.S.C.

2912

† These proportions will only be drawn by units in possession of traces with short piping.

§ This allowance may be increased by one-fourth in the case of the Army Service Corps

Harness and Saddlery—continued.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	..	..	..	6*	6*	* Per unit.
2	..	0 2	0 4	0 8	..	..	
3	..	..	..	..	..	..	
4	0 4	0 8	1 0	2 0	..	..	
5	3	3	10	25	72†	72†	For nose bags.
6	..	..	..	..	..	..	
7	..	..	..	..	..	..	
8	..	..	..	..	..	..	
9	..	..	..	..	..	..	A.S.C.N.P. harness.
10	..	..	..	..	..	..	
11	0 1	0 2	0 5	0 12	..	..	
12	..	..	..	..	..	..	
13	0 3	0 8	1 4	3 0	0 12	0 12	
14	2	2	5	12	..	..	
15	3	8	20	50	..	..	
16	..	..	..	..	..	..	
17	..	..	..	..	..	..	
18	0 1	0 2	0 5	0 12	..	..	
19	0 2	0 4	0 8	1 0	..	..	
20	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1	..	..	
21	..	..	..	..	..	..	$\frac{1}{4}$ pint per 150 blankets.
22	0 1	0 2	0 4	0 8	..	..	
23	0 4	0 10	1 10	4 0	0 6	0 6	

† Per 100 nose bags.

Materials for Repair of

TABLE 1—continued.

TABLE 1—continued.		Peace—12 Months'					
		Officers. — 5 Sets.	Harness.				Item.
			Single Sets.				
			5	8	25	40	
<i>Woolwich Section, No. 26.</i>							
Rivets,	{ fire buckets, ($\frac{1}{2}$ -inch, with washers)	..	..	2	6	10	1
	{ hosepipes ($\frac{1}{2}$ -inch, No. 6 W.G., with washers)	..	3	3	9	12	2
<i>Woolwich Section, No. 27.</i>							
Worsted, grey ..	.. lbs. ozs.	..	0 2	0 2	4	0 7	3
<i>Woolwich Section, No. 30.</i>							
Blankets, old, pieces of	.. lbs.	..	..	..	..	..	4
Linen,	{ for cleaning.. lbs. ozs.	..	2 8	4 0	12 8	20 0	5
old,	{ „, nosebags „ „	..	0 8	0 8	1 4	2 0	6

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Additional Articles allowed for

<i>Woolwich Section, No. 6.</i>							
Buckles, brass roller, double,†	{ 1-inch	..	..	..	..	..	..
	{ $\frac{3}{8}$ „	..	..	..	..	..	..
Dees, brass, { 1½-inch	..	..	..	..	..	..	..
	{ $\frac{3}{4}$ „	..	..	..	..	..	..
Flock *	..	..	..	..	..	..	lbs.
Loops, with eyes, baggage strap..	..	..	..	..	..	..	..
Serge, saddlers' *	..	..	..	..	..	..	yards
Thread, flax, yellow	..	..	..	..	..	..	lbs. ozs.
<i>Woolwich Section, No. 11.</i>							
Wax, bees' ..	..	..	..	..	..	..	lbs. ozs.

* Not allowed for modified saddles having

† Not required when collars, head, with

Harness and Saddlery—continued.

Supply.					War.		Remarks.
Item.	Saddlery.				3 Months' Supply.		
	Sets.				Harness.	Saddlery.	
	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	..	..	..	..	..	
2	3	6	12	30	..	..	
3	0 2	0 3	0 7	1 0	0 6†	0 6†	† Per 100 blankets.
4	..	..	..	..	3§	3§	§ Per 100 blankets.
5	1 8	3 8	10 0	25 0	..	..	
6	0 8	1 2	2 0	5 0	0 8*	0 8*	* Per 100 nosebags.

the Repair of Yeomanry Saddlery.

Peace—12 Months' Supply.		
Yeomanry Saddlery, sets.		
15	40	100
1	2	4
2	5	12
2	5	12
1	4	8
2	4	8
1	4	10
2	5	12
0 4	0 12	1 4
0 1	0 3	0 8

felt pannels, nor Universal Saddles.
reversible bit are used.

Material for Repair of Harness, Breast, Pole Draught, R.A.

54		Atc.		2132	
Peace—12 months' supply.				War—3 months' supply.	
Harness.				Harness.	
Single Sets.				50 double sets.	
5	8	25	40		
Attachment, { neckpiece ..	..	..	1	1	..
releasable, { wire trace, long	..	..	3	5	2
Hook, wire trace, short	..	..	1	2	1
Link, curved, 2-inch ..	..	..	1	1	..
{ 1½-inch, with ring	..	..	1	2	..
Links, double, { 2⅜ inch x ⅜-inch	..	..	1	1	..
{ wire trace, short	..	..	1	2	1
Ring, { 2⅜-inch, with cranked link	..	..	1	2	..
{ 1½ " chain ..	..	..	1	1	..
Swivel, with shackle, wire trace, long	..	..	2	3	2
Pipes, wire { long, strips, 52 inch	..	..	6	10	4
trace, { short, strips, 30 inch	1	2	4	6	4
Rivets, copper, tinned { ⅜-inch, No. 6 W.G...	..	..	3	6	4
(with washers) { ⅜-inch, " 12 " fr s.	5	8	25	40	10
Rope, galvanized, steel wire, 1-inch ..	..	..	7½	11½	..
Buckles, brass, { 1½-inch	..	1	2	4	..
bent heel, { 1½ "	..	1	2	4	..
{ 1¼ "	..	1	2	4	..
Squares, iron, 1¼-inch..	..	1	2	4	..
				R. A. breast harness only.	
				Breast collar.	
				Centre of breast collar.	
				Tug breast collar.	
				Breast collar.	
				Tug breast collar.	
				Wire traces.	
				Trace bearers.	

Material for Repair

TABLE 3.

Peace—12

Saddle-

		Officers.	Drivers.							
		5	5	13	25	40	Item.			
<i>Woolwich Section, No. 6.</i>										
Saddletrees,	arches, iron, or steel,	{ front ..	..	..	1	1	2	1		
		{ hind ..	..	..	1	1	2	2		
	bars, side, shaped,	{ near.. ..	..	..	1	1	2	3		
		{ off ..	..	..	1	1	2	4		
	cantles	..	1	..	..	..	..	5		
	links	..	..	1	..	..	..	6		
	plates,	{	for dees, universal ..	..	..	..	..	..	7	
			„ links	..	..	..	..	..	8	
			gullet, steel	1	..	..	..	..	9	
			top, brass	1	..	..	..	..	10	
			with buckle and crupper link ..	..	..	..	..	..	11	
			„ dees, luggage ..	..	..	..	..	..	12	
			„ squares, drivers' ..	..	..	2	4	6	13	
			„ stirrup link and brass roller ..	..	..	1	1	4	14	
			rivets,	{	copper, { long ..	4	..	..	..	15
					{ short ..	9	..	..	..	..
	screws, brass, fine ..	..	..	3	8	15	24	17		
	squares, iron	..	..	8	..	..	..	18		
	staples,	{	cloak and wallets, drivers' ..	..	2	2	4	6	19	
			flank drivers' and luggage ..	..	1	2	4	6	20	
			girth	..	1	2	3	5	21	
			wallet,	..	..	..	..	..	22	
			troughs, backband ..	1	..	..	..	..	23	
	washers	..	..	2	..	..	..	24		
	<i>Woolwich Section, No. 7.</i>									
Paper, glass, No. 2 sheets		..	..	1	1	2	26			
Pencils, carpenters'		..	..	1	1	1	27			
Wire, ordinary, iron, soft, No. 7										
W.G. (for rivets) lbs.		1/8	..	1/4	1/4	1/2	28			
<i>Woolwich Section, No. 11.</i>										
Oil, linseed, raw pints		..	..	1/8	1/8	1/4	29			
Varnish,	{	Japan, black	..	..	1/8	1/4	1/2	30		
		spirit, shellac	1/8	..	1/8	1/4	1/2	31		

of Saddletrees.

Months' Supply.								War.		Remarks.
trees.								3 Months' Supply.		
Item.	Luggage.			Universal.				Harness.	Saddlery.	
	5	13	25	6	15	40	100	50 Double Sets.	100 Sets.	
1	..	1	1	..	1	2	3	3†	3	†Drivers only.
2	..	1	1	..	1	1	2	3†	3	
3	..	1	2	..	1	3	6	3†	3	
4	..	1	2	..	1	3	6	3†	3	
5	..	..	..	..	..	..	..	..	..	
6	..	..	..	1	2	4	10	..	..	
7	..	..	..	..	2	6	12	..	..	
8	..	..	..	..	2	6	12	..	..	
9	..	..	..	..	..	..	..	..	..	
10	..	..	..	..	..	..	..	..	..	
11	..	..	..	..	1	1	1	..	..	
12	1	3	5	..	..	..	..	..	..	
13	..	..	..	..	..	..	..	..	..	
14	..	..	..	..	1	4	8	..	..	
15	..	..	..	..	..	..	..	..	..	
16	..	..	..	..	..	..	..	..	..	
17	3	8	15	3	9	24	60	30	30	
18	..	..	..	..	..	..	..	..	..	
19	..	..	..	..	..	..	..	..	..	
20	1	2	4	..	..	..	..	6	..	
21	1	2	3	..	..	..	..	..	..	
22	..	1	1	..	..	..	..	..	..	
23	..	..	..	..	..	..	..	..	..	
24	..	1	1	..	..	..	..	..	..	
25	..	..	..	..	..	..	..	..	..	
26	..	..	1	..	1	2	4	..	..	
27	..	..	1	..	1	1	1	..	..	
28	..	$\frac{1}{4}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1	..	..	
29	..	..	..	..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	..	..	
30	..	$\frac{1}{8}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1	..	..	
31	..	$\frac{1}{8}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1	..	..	

Materials for Repair and Preservation of Packsaddlery.

TABLE 4..

TABLE 4.	Peace. — 12 Months' Supply.				War. — 3 Months' Supply.	Remarks.
	Packsaddlery Sets. — G.S. and R.A.				Pack- saddlery Sets. — G.S. and R.A.	
	2	10	50	100		
	1	1	3	1		
<i>Woolwich Section, No. 5.</i>	..	..	..	..	..	An establishment of 44 may draw, if necessary, the material set out in third column.
Buckles, strap, 1-inch ..	..	..	..	..	..	
Packsaddlery, G.S.—	..	..	..	..	..	
Trees, Mark IV, large—	..	..	..	..	..	
Arches, steel, { front	..	..	..	..	..	
{ hind..	..	..	..	..	..	
Bars, side, { near, { upper ..	..	..	..	..	..	
{ lower ..	..	..	..	..	..	
shaped, { off, { upper ..	..	..	..	..	..	
{ lower ..	..	..	..	..	..	
Trees, Mark IV, small—	..	..	..	..	..	G.S. packsaddles, also Mark III.
Arches, steel, { front	..	..	..	..	..	
{ hind..	..	..	..	..	..	
Bars, side, { near ..	..	..	..	..	..	
shaped, { off ..	..	..	..	..	..	

Materials for Repair and Preservation of Packsaddlery—continued.

TABLE 4—continued.		Peace. — 12 Months' Supply.			War. — 3 Months' Supply.	Remarks.
		Packsaddlery Sets. — G.S. and R.A.			Pack- saddlery Sets. — G.S. and R.A.	
		2	10	50	100	
<i>Woolwich Section, No. 6—continued.</i>						
Twine, quilting lbs.	.. ..	1	4	1	1	
Web, hemp, { 3½-inch yards	.. ..	..	3½	18	..	
2 " thick .. .. "	.. ..	½	2½	12½	..	
1½ " .. .. "	.. ..	2 9/16	4	20½	..	
<i>Woolwich Section, No. 7.</i>						
Wire, ordinary, copper, No. 19 W.G. .. lbs.	.. ..	..	1	½	..	
<i>Woolwich Section, No. 8.</i>						
Canvas, sail, No. 3 inches	.. ..	..	2½	12½	..	For nosebags.

Woolwich Section, No. 11.

Glue, B.T.M.	..	..	..	lbs.
Ink, marking	..	..	..	.. pints
Wax, { bees'	..	..	..	lbs. ozs.
{ black	..	..	..	" "

..	2	..
0 1	1	0 2
0 1	0 8	0 8
	0 8	0 8

Woolwich Section, No. 13.

Rivets, steel, countersunk head, $\frac{1}{4}$ " $\times$ $1\frac{1}{2}$ " .. G.S. packsaddles, also Mark III.

3	8	20	..
---	---	----	----

Woolwich Section, No. 30.

Linen, { for cleaning lbs.
old, { " nosebags and corn sacks.. "

1	2 1	12 1	..
..	1	2 1	..

Materials for Preservation of Packsaddlery.

TABLE 6.					Peace.	War.
					12 Months' Supply.	3 Months' Supply.
					Per Set.	Per Set.
<i>Woolwich Section, No. 11.</i>						
Dubbing ..	..	..	..	lbs.	$\frac{3}{4}$	$\frac{3}{8}$
Oil, rape ..	..	..	..	pints	$\frac{1}{2}$	..
Soap, { soft *	..	..	..	lbs.	$\frac{1}{2}$	..
yellow	..	..	..	bars	$2\frac{1}{4}$	$\frac{5}{16}$

* See note † on page 279.

APPENDIX XV.

Mekometers and Telemeters.

(*Referred to in Paragraph 282.*)

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1. Mekometers and telemeters in possession of units proceeding to a foreign station (other than India) or on active service will be exchanged for new instruments. Units going abroad.
2. If any instrument in possession of units at home becomes unserviceable it will at once be returned to Woolwich for examination and repair. Unserviceable instruments to be returned at once.
3. When sending instruments from home stations, officers commanding units will forward them direct by rail (goods train) to the Assistant Director of Ordnance Stores, Royal Dockyard, Woolwich. The instruments are to be carefully packed in their leather cases, and these cases wrapped in paper; the reels and cords, or tapes, shuttles and cords, to be also wrapped in paper, and the whole then placed in a wooden box. The box should be packed with tow, hay, or lumps of paper. The box should be marked conspicuously "Glass, with care," and contain a packing note (Army Form G. 1028) detailing the articles packed, and to which unit they belong. The telemeter pickets should also be sent at the same time as the instruments. Transit and packing.
4. On dispatch of the instruments, officers commanding will, *at the same time*, transmit to the Assistant Director of Ordnance Stores, Woolwich Arsenal, direct, the usual receipt and issue vouchers, and will also at once put forward a demand for the return of the instruments from Woolwich. The registered numbers of the instruments will be quoted upon all documents relating to them. Instruments to be demanded.
5. At stations where there is an inspector of musketry, the infantry mekometers will be occasionally tested by him, and, if found unserviceable, will be ordered to be returned to Woolwich as directed in paragraph 3. Testing of infantry mekometers.
6. If any instruments in possession of units serving abroad become unserviceable, steps should at once be taken to replace them. The old equipment will be sent home by the local ordnance officer to Assistant Director of Ordnance Stores, Woolwich Arsenal. Return of instruments from abroad.
7. When an instrument is returned for any purpose, a report on its condition at the time will be made on a half sheet of foolscap paper, and signed by the officer commanding. The report will consist of answers to questions in the following form :— Report of condition to be made.

MEKOMETERS.

CONDITION OF INSTRUMENT, No.	MARK.
------------------------------	-------

Are the parts and fittings complete and in good order ?
 Is the right instrument correct ?
 Is the left instrument correct ?
 Are the cords and reels correct ?
 Are the telescopes and handles correct ?
 Are the cases correct ?
 In case of damage or deficiency, state how it occurred.

TELEMETERS.

CONDITION OF INSTRUMENT, No.	MARK.
------------------------------	-------

Are the parts and fittings complete and in good order ?
 Is the instrument correct ?
 Is the tape and cord correct ?
 Is the telescope correct ?
 Are the cases correct ?
 Are the pickets correct ?
 In any case of damage or deficiency, state how it occurred ?

8. If the cord of a mekometer breaks, care must be taken to make it up again to the correct length.

If the telemeter cord breaks, care must be taken to make it up to the proper length from the edge of the shuttle viz., 18 ft. for telemeters, Marks I and II, and 27 ft. for Mark III.

APPENDIX XVI.

*(Referred to in Paragraph 29.)***Conditions governing Sale of Carbines and Rifles to Officers.**

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Officers on the active list of the regular and auxiliary forces are permitted to purchase carbines or rifles at vocabulary rates under the following conditions :—

1. The rifle or carbine will be kept for the sole and exclusive use of the officer purchasing it, and will be produced for inspection annually, and at any other time when required. No officer may be in possession of more than one such arm at one time.

2. Should the holder at any time desire to surrender his arm, he may return it into the regimental store, receiving a receipt for the same, but no refund of purchase money will be made by Government on surrender. It will then be open to another officer of the corps to apply for and draw it, on signing the certificate in (5). Any payment by a future holder must be arranged privately between him and the last holder.

3. The course laid down in (2) will be followed in the case of the original or any subsequent holder of an arm retiring from the service. In the case of an officer who owns a rifle being transferred to, or exchanging into another unit, the rifle may with the consent of the commanding officer be also transferred, the usual receipt and issue vouchers being passed, and the transaction recorded in the equipment accounts of the two units. The same course will be followed in the case of staff officers owning rifles, transferred from one district to another, or from a unit to the staff or *vice versa*, the rifle being accounted for as laid down in paragraph 4.

4. Arms so purchased will be issued on prepayment by the chief ordnance officer, in the case of regimental officers, through the officer commanding the unit, and in the case of staff officers through the chief staff officer, credit being given to the public in the accounts of the accountant for district services.

Arms purchased by staff officers will be marked "staff," and accounted for by the chief staff officer of the district or station in his equipment ledger. Those purchased by regimental officers will be marked with the corps mark, an "S," and a consecutive number of the unit, and will be taken on charge in the regimental equipment ledger, in a separate column from the ordinary regimental arms, and shown in the distribution list at the beginning of the ledger. A voucher signed by all the officers concerned acknowledging possession of such arms on the day of closing the account will be rendered with the ledger.

5. Certificate to be signed by all officers desiring to purchase a government rifle or carbine :—

"I hereby certify that the government rifle or carbine which I desire to purchase is for my sole and exclusive use, and I promise that on no account will I at any time dispose of, lend,

or part with the same to any other person whomsoever. I further bind myself to observe all the regulations governing the purchase of service arms by officers.

"(Signed)....."

This certificate to be made out in the officer's handwriting, and to accompany the application for purchase.

6. Should an arm so purchased be lost or stolen, an immediate report is to be made by the holder to his commanding officer, who will deal with the case under paragraphs 539—541, King's Regulations, as if the rifle had remained public property.

APPENDIX XVII.

(Referred to in Paragraph 287.)

Chests, Clothing, or School Materials.†

		Number allowed per unit for	
		Clothing.*	Materials for a Regl. Infant School (peace only).
A.C.D.			
India			
1021			
...			
1652			
A.C.D.	Cavalry regiments	4	1
W.I.A.	" depôts	1	—
169	Royal Artillery—		
A.C.D.	Horse and field batteries and the riding establishment	2	—
S. Gunnery	Companies, including School of Gunnery, Jamaica and Sierra Leone Companies ..	2	—
1799	District establishment, Southern and Western Districts	3	—
A.C.D.	District establishment, South-Eastern and Thames Districts, Malta, Gibraltar, and Halifax, N.S.	2	—
Malta A.	All other units, including local companies ..	1	—
365	Royal Malta Artillery	1	—
A.C.D.	Royal Engineers—		
Gib. E.	Companies (other than Field or Submarine Mining) and for the supernumerary staff at Aldershot and Gibraltar	1	—
336	All other units, including sections of Coast Battalion and Telegraph Companies; and section of a submarine mining company when detached, and local companies ..	2	—

* These will not be taken to India with the unit, but should be returned to store prior to embarkation.

† To be replaced by "Boxes, clothing, or schoolmasters," when existing stock is used up.

Chests, Clothing, or School Materials—*continued.*

	Number allowed per unit for	
	Clothing.*	Materials for a Regl. Infant School (peace only).
Infantry—		
Battalions	2	1
Regimental depôts	1	—
Battalion, West India Regiment	3	—
Detachment „ „ at St. Lucia	1	—
Army Service Corps—		
Depôt companies	3	—
Other „	2	—
Detachment at Gibraltar and Staff Clerks' depôt	1	—
Royal Army Medical Corps—		
Companies	1	—
Depôts	3	—
Army Ordnance Corps—		
Companies	2	—
Depôt	4	—
School of Musketry	1	—
Military Police Corps, Cairo	1	—
School of Music	1	—

A.C.D.

A.O.C.

69

A.C.D.

Mil. P.

1831

A.C.D.

S. of M.

1389

* These will not be taken to India with the unit, but should be returned to store prior to embarkation.

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PART I.

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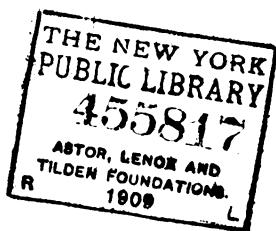
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WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

Our Warrant, dated the 1st of January, 1906, and the Regulations established thereby, are hereby cancelled.

Given at Our Court at Buckingham Palace this 19th day of January, 1909, in the 8th year of Our Reign,

By His Majesty's Command,

R. B. HALDANE.

DEFINITIONS.

N.B.—The following terms used in these regulations will have the signification shown :—

Unit	Units are bodies of troops each under a separate commanding officer who is an accountant.
Accountant	Any officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.
Commanding Officer	The officer commanding any unit.
Deputy Director of Ordnance Stores	The officer at the head of the Army Ordnance Department at the Royal Arsenal, Woolwich.
Assistant Director of Ordnance Stores	The senior officer of the Army Ordnance Department in a command.
Chief Ordnance Officer	The senior officer of the Army Ordnance Department at the Royal Army Clothing Department, Pimlico; in a district not included in a command; and of an administrative area in a command.
Ordnance Officer	The officer in charge of an ordnance dépôt.
Regimental Artificers	Non-commissioned officers and men on the regimental establishment as artificers, receiving pay as such, for the performance of special work.
Military Tradesmen	Tradesmen enlisted as soldiers, and receiving pay as such, but available when required for employment in their trades, receiving extra working pay.

ABBREVIATIONS.

A.B.	Army Book.	I.A.	Iron Arch.
A.F.	Army Form.	M.-E.	Martini-Enfield.
A.T.	Aiming Tube.	M.-M.	Martini-Metford.
A.O.D.	Army Ordnance Department.	M.L.-E.	Magazine Lee-Enfield.
B.L.	Breech-loading.	M.L.-M.	Magazine Lee-Metford.
C.D.L.	Circular, double linen.	M.T.	Morris Tube.
C.O.O.	Chief Ordnance Officer.	N.P.	New Pattern.
C.S.L.	Circular, single linen.	O.P.	Old Pattern.
C.R.E.	Commanding Royal Engineer.	R.S.M.L.E.	Rifle, short, magazine Lee-Enfield.
D.D.O.S.	Deputy Director of Ordnance Stores.	R.A.O.S.	Regulations for Army Ordnance Services.
D.P.	Drill purposes.	S.A.A.	Small-arm Ammunition.
G.O.C.	General Officer Commanding.	W.A.	Wood Arch.
G.S.	General Service.	W.G.	Wire Gauge.

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	147	187	203	234	Cancelled
	148	187a	199	235	250
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144	152	189	201	236a	252
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[The amendments made in the Regulations of 1906 are denoted by a black line in the margin. As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Secretary, War Office.]

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, 1909.

PART 1.—GENERAL REGULATIONS.

SECTION I.—DUTIES OF OFFICERS.

A.—INTRODUCTORY.

1. The following regulations for the equipment of the regular army and for the maintenance of the armaments of works, are promulgated for the information and guidance of officers concerned. The proportions of ammunition and stores, materials for repair, tables of duration, and details of equipment contained therein will be strictly adhered to. Regulations relating exclusively to artillery will be found in Part 2, Artillery Details. No details of establishment of equipment for defence electric lights, Brennan torpedo installations, permanent telegraph, telephone and signal stations are given, special scales being authorised for each station concerned, but the general procedure as regards demand, supply, and disposal of such equipment will be as herein laid down.

2. In describing stores in equipment ledgers, indents, &c., the designations and sections of the Priced Vocabulary of Stores will be strictly followed. Articles not included in the vocabulary will be headed "not in vocabulary" and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by

drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

B.—DUTIES OF GENERAL OFFICERS COMMANDING.

3. General Officers Commanding will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued or taken into use by units on mobilization are at all times maintained in a serviceable and complete condition.

They are responsible for the custody and maintenance of the mobilization equipment which is held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory and explicit reason.

4. Equipment stored for mobilization will be inspected approximately every six months alternately by the chief ordnance officer and by the assistant director of ordnance stores. In districts where both these appointments do not exist another ordnance officer may be detailed to carry out one of the half-yearly inspections in any year.

In each case, the result of these inspections will be reported on A.F. G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the General Officer Commanding is desirous of doing so.

5. The General or other Officer Commanding a district or command will be responsible that equipment of all kinds is issued to the troops for service purposes in accordance with the authorised proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the responsible ordnance officer to provide for the requirements of the service according to circumstances. It must be distinctly understood that the power of the General Officer Commanding to approve such excess issues does not extend to ammunition.

6. In any instance in which stores or equipment, other than ammunition, are drawn in excess of the authorised proportions without the written authority required by paragraph 5, the case should be submitted without delay to the General Officer Commanding, who will deal with it as a matter of discipline, and when consumable stores are concerned, the excess issues should be treated as losses, and dealt with under the King's Regulations.

7. The General Officer Commanding will, when the issues under paragraph 5 are of an exceptionally large nature, report full details quarterly to the War Office, stating whether the issues are of a temporary nature, or are proposed as a permanent addition to an establishment.

8. In the event of any unnecessary delay occurring in the supply of equipment, the General Officer Commanding will report the circumstance, with the explanation of the chief ordnance officer concerned, to the War Office.

C.—DUTIES OF COMMANDING OFFICERS.

9. Commanding officers will be held directly responsible that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorised proportions, unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command ; and when any defects are discovered therein will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation of the same to the chief ordnance officer. Commandants of Schools of Instruction and similar institutions will be regarded as commanding officers for all purposes to which the instructions contained in these regulations apply.

10. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, that the necessary action is taken to provide for such changes.

11. They will compare the quantities of mobilization stores in their charge, as shown by the mobilization store tables of their respective units, with the remains of the stores shown at the end of their equipment ledgers on the 31st March in each year. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

12. Alterations of articles of equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office.

13. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and the outgoing officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in Appendix I, and accompany the regimental equipment ledger, on transmission of the latter as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the out-going commanding officer, the regimental board will be assembled prior to the departure of the out-going officer, and the senior officer remaining with the unit will take over and be responsible for the equipment until it is handed over by him to the officer assuming command.

14. The stocktaking board may be dispensed with if the officer taking over the charge of the stores considers it unnecessary, but he will then be held responsible and will himself sign the form of certificate shown in paragraph 4 of Appendix I and dispose of it as therein directed.

15. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in connection with the armaments, by a board of officers, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over, or the one taking over charge, the officer commanding Royal Artillery will appoint a board of officers for the purpose. Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to variations caused by subsequent duly vouched store transactions.

16. When deficiencies or damages are discovered on a transfer of the equipment and stores, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by authority of the War Office. Where any loss, injury, or deterioration of equipment, other than personal, is clearly traceable to the neglect of a subordinate, the commanding officer who is liable may apply through the General Officer Commanding to the War Office to be relieved of the cost of replacing or repairing such equipment. In the case of personal equipment the usual steps will be taken to recover the cost of replacing or repairing.

17. In order to facilitate the maintenance of stocks, commanding officers will at all times furnish the ordnance officers with such information as they may require regarding the state of the equipments in their charge.

18. All communications connected with the supply of equipment, whether authorised by, or in excess of regulation, will be addressed to the chief ordnance officer, who will, if necessary, take the orders of the General Officer Commanding on the subject.

19. The commanding officer will bring to the notice of the General Officer Commanding any undue delay in the supply of any articles of equipment.

SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

A.—INDENTS FOR EQUIPMENT.

20. Officers who are direct accountants with the War Office for any portion of the service equipments will put forward indents for munitions of war, stores, and materials, to maintain the equipments for which they severally account, as well as for those required for the training and service of their units generally. Indents will be prepared on the authorised forms in accordance with the nomenclature in the Priced Vocabulary of Stores, and a separate form (or separate division of such forms as are divided by perforation) will be used for each of the sections affected, and every section will bear the regimental or corps office stamp; the purpose for which the stores are required must be clearly shown, as well as the strength of the unit, the complete establishment or proportion of equipment allowed by regulation, the authority under which the stores are demanded, and the quantities in charge. The time that equipment to be replaced has been in use will also be stated in the case of those articles to which a period of duration has been assigned. Indents will be sent direct to the chief ordnance officer, by the officer requiring the stores, on the dates given in paragraph 22. When stores, ammunition, or equipment are demanded on payment, the indents will be endorsed to that effect in red ink. Indents will be rendered in duplicate. In the case of long indents with printed descriptions, which are not prepared for the carbon process, they will be completed in manuscript.

21. The Equipment Regulations are the sole authority for the issue of peace equipment, and in framing indents for articles on the peace establishment, commanding officers will refer to the paragraph or table authorising the issue. The latest print of the mobilization store table issued with Army Orders is, under this paragraph, the authority for the issue of mobilization equipment during peace and of war equipment on mobilization.

22. Indents for equipment, for materials for its preservation, and for veterinary stores (*see* paragraph 311), will, except in cases of emergency, be made quarterly, on the 1st March, 1st June, 1st September, and 1st December. An exception as regards veterinary stores will, however, be made at Woolwich, where the requirements of the troops will be provided for by the district veterinary officer; and the following classes of stores will also be treated exceptionally:—materials for the repair of arms (including oil, &c., used for cleaning and preservation), accoutrements, harness and saddlery, and artificers tools, which will be demanded annually, on the 1st March; stable necessities and materials for the repair of carriages, which will be demanded on the 1st September; and practice and exercise ammunition as laid down in Section VII. Camp equipment will be demanded when required, under Section X. Paint will be demanded when most convenient to those requiring it.

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Where this regulation cannot be complied with, a statement for the information of the General Officer Commanding must accompany the indent, showing the reason why the requirement was not foreseen and why the supply could not await the next periodical indent.

23. Indents will not be made for equipment to replace articles deemed unserviceable until the commanding officer has satisfied himself that they are thoroughly unserviceable or cannot be repaired by the means at his disposal, notwithstanding that such articles may have already been in use for the period of duration assigned to them under Section XVIII. Special authority will be required to support the exchange of any equipment still serviceable, or capable of being repaired regimentally.

24. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be made without delay for the new equipment; but a commanding officer is not entitled to demand any article from store on account of any preference which he may have for a particular pattern.

25. When units are ordered abroad, commanding officers will at once indent upon the chief ordnance officer for all articles required to complete the equipments of their corps, according to the scales authorised for the particular service.

26. Officers commanding detachments who are not accountants, requiring articles of fixed equipment, will prepare and forward indents for the same to the officers commanding their units for signature, before sending them to the Army Ordnance Department. When the stores are issued, a temporary receipt will be taken by the ordnance officer from the officer in command of the detachment, and retained until the usual vouchers have been passed between the ordnance officer and the head-quarters of the unit. Should the articles be urgently required, the ordnance officer will make the issue at once, and the officer commanding the detachment will be responsible for the stores until he has procured a covering indent from his commanding officer, and the vouchers have been passed.

27. To obviate the necessity for intermediate demands, officers commanding will cause an inspection of the equipment to be made before the quarterly indents are prepared. To meet immediate and unforeseen requirements, certain spare articles of equipment are supplied, as laid down in the several sections of Equipment Regulations, Part 2. When accoutrements are lost, as for example through desertion, or arms are damaged to such an extent that the armourer cannot repair them, the wants may be temporarily met by using the equipment of men who are for the time non-effective.

28. Articles of store are not as a rule issuable to commanding or other officers on payment, in time of peace, except by order of the War Office. But small-arm ammunition, and also arms and other articles of service patterns which form part of an officer's regulation kit (as shown in the Field Service Manuals), and which he may require for his own personal use, may be issued on pre-payment. Carbines and rifles may be issued under the conditions laid down in Appendix XXI.

29. The value of stores issued on repayment, and of ammunition issued under paragraphs 207-210, will be recovered by the district accountant in whose area the issuing officer is stationed,

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priced vouchers on Woolwich Form 1 being furnished by the Deputy Director of Ordnance Stores, Woolwich Arsenal, and on A.F. G 982 by other ordnance officers making the issue. The officers commanding corps to whom issues are made will forward the vouchers to the district accountant as above, so that it may be shown where the value is credited before returning them to the Army Ordnance Department.

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30. Stores for maintaining equipments, or for special services, are not to be appropriated to other purposes without special authority, obtained through the chief ordnance officer.

31. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the store depôt, arrange for their conveyance.

32. The supply of all equipment, except ammunition, due to units proceeding from one district to another, is dealt with in the Regulations for Army Ordnance Services, Part I.

33. When field companies of the Royal Engineers exchange stations, personal arms and equipment should accompany the men. All other equipment and all repair material will, unless special instructions to the contrary are received from the War Office, be left behind by the out-going company and taken over by the incoming company at each station. An officer of each company will proceed, within a week in advance, to the new station, to take over the stores to be left behind by the out-going company. The transfer of stores will be carried out in the manner laid down in paragraph 94.

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1908

34. When companies of the Army Service Corps exchange stations, between England and Ireland, all the equipment and material for its repair, &c., &c., held on charge, and detailed in Part 2, Section III for a service company, excepting arms, accoutrements, trumpets and bugles, will be left behind by the outgoing company, and taken over by the incoming company at each station. An officer and non-commissioned officer of each company will proceed in advance to the new station in sufficient time to take over the stores to be left behind by the outgoing company. The transfer of stores will be conducted under paragraph 94. Ammunition will be disposed of as laid down in paragraph 63.

Any stores due from the Army Ordnance Department to the outgoing company on indents, to complete or repair articles left behind, will be issued to the incoming company.

35. Indents for repair material will be prepared on the printed forms specially provided for the purpose, unless the quantities required are small. In the latter case the general indent form A.F. G 997 will be employed.

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The preparation of indents for camp equipment will be governed by the instructions in paragraph 262.

36. Tools for mounted services are issued to units, and held on charge by them in complete chests, and will be so demanded when required.

37. When small quantities of tools are required to be exchanged as unserviceable, they will be shown in detail in the indent, for which purpose A.F. G 997 will be used.

38. All vehicles of service pattern, whether in store or as equip-

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ment in possession of troops, should at all times be complete with the straps and other articles appertaining to them, as laid down in Appendix XIV. These articles should be in the custody of the officer who has the vehicles in charge. Artillery wagons in possession of cavalry units will only hold the "other articles" on charge in the proportion laid down in Equipment Regulations, Part 2, Section II.

B.—RECEIPT AND INSPECTION OF EQUIPMENT.

39. When equipment is received by the troops, the officers, or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition. Should any appear to have been damaged in transit, or tampered with, the circumstances will be recorded on the bill of lading or carrier's note, and pointed out to the person conveying the stores, the packages being opened, if necessary, in his presence. (See also para. 1481, King's Regulations.)

40. The stores will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the officer responsible for the equipment, or an officer deputed by him.

41. All packages will be weighed before being opened, and the ascertained weight compared with that marked on the outside. Should these weights differ in any instance, the contents will be at once counted, and compared with the numbers given on the packing note which each package should contain.

42. The equipment will be carefully inspected, to determine that the articles delivered agree with the particulars in the vouchers, and that they are correct in point of quality and pattern. Stores received by number and weight will be both counted and weighed.

43. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the commanding officer before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the stores will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

44. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened until the contents are required for use. These cases with their contents, as well as packages containing small-arm ammunition and gunpowder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used, will be at once reported, and all details upon the cases will be quoted.

45. Should the above precautions be omitted, the officer receiving the stores will render himself liable for any discrepancies.

46. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the commanding officer, after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the ordnance officer by whom the issue was made.

47. In reporting any discrepancy, the fullest information will be given, all numbers and weights, and any marks upon the packages

giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes.

48. In cases in which the reports of officers commanding, or others, bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the General Officer Commanding considers further action necessary.

49. A commanding officer in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

C.—RETURN OF EQUIPMENT.

50. Whenever it becomes necessary or advisable to return equipment into store, except empty packages and such articles as have been replaced on indent, commanding officers will make application to the chief ordnance officer to receive them, stating their description, number, the time they have been in use, and the reasons, and authority (if any), for returning them to store. The C.O.O. will add his instructions and return the document to the unit, by whom it will be attached to the voucher on which the stores are charged to the Army Ordnance Department. When guns, carriages and slides, for drill, practice, time, saluting, or instructional purposes, are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, &c., in armaments, and batteries of Horse, Field, Heavy and Siege Artillery batteries of the Territorial Force should take place without previous reference to headquarters, unless under very exceptional circumstances, when the matter should be immediately reported.

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51. Unserviceable or obsolete stores on charge of a unit may, under the authority of the General Officer Commanding, obtained through the chief ordnance officer, be disposed of locally, to save the expense involved in transporting them to the nearest Army Ordnance Depot for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows:—

- (a) The condemnation of stores will not be effected by the unit on whose charge they are held.
- (b) Whenever possible, the condemning authority should be either an ordnance officer or a garrison board.
- (c) At remote stations where there are insufficient officers to form a garrison board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in sub-paragraph (b). In such cases the General Officer Commanding may instruct a competent military officer to examine the stores and, after consideration of his report, authorise their condemnation and local disposal. Officers should not be

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specially detailed for this duty, if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.

- (d) When stores condemned without return to ordnance store, under sub-paragraphs (b) and (c), or obsolete stores similarly situated, are to be disposed of locally, all necessary instructions as to their disposal will be given by the chief ordnance officer.

52. Haversacks, mess-tins and mess-tin covers, condemned as unserviceable under paragraph 51, will be disposed of under the contracts for the sale of worn-out clothing. The amounts realised will be credited to the public in the vote for general stores. (Vote 8).

- (a) Through the Army Ordnance Department if the articles are handed over to the contractor at an army ordnance dépôt.

- (b) Through the commanding officer concerned, if the articles are condemned on the spot and handed over locally to the contractor.

In the latter case the credit will be given in the pay list of the unit or units concerned, and the Army Ordnance Department will not be called upon to intervene in the cash transaction.

53. The disposal of the unserviceable guns, &c., which are to be replaced, or of any others which are of obsolete pattern, and no longer required, will be dealt with by the Deputy Director of Ordnance Stores, Woolwich Arsenal; and full information as to their value, if proposed for sale locally, or cost of removal to store, will accompany indents for new guns, or suggestions for the disposal of obsolete ordnance, &c.

54. When stores are returned to the Army Ordnance Department, vouchers will be prepared in triplicate by carbon process on A.F. G 1033. A separate division (as divided by perforation) will be used for each section, and every section will bear the regimental or corps office stamp. The vouchers will be signed by the consignor; and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been received. When stores are passed to other accountants, the vouchers will be prepared in duplicate only.

55. When stores are returned from a distance, vouchers will be sent by post on the same day that the stores are despatched, to the ordnance officer to whom they are consigned. The date and number of the order directing the return of the stores will be inserted in the headings of the vouchers, and a corresponding date and number will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify it immediately on receipt. Each case, bale, or package will be weighed, and the weight marked upon it.

56. Commanding officers will make their own arrangements for conveyance, as in the case of issues (*see* paragraphs 31 and 57), in the return of unserviceable and surplus equipments into store in camp and garrison.

57. Issues of regimental equipment, such as arms, accoutrements, harness and saddlery and parts of bicycles, to replace similar unserviceable articles in possession of a unit quartered at a station where there is an ordnance dépôt from which the supply of the new will be received, will not be made until the unserviceable articles have been

returned to the Army Ordnance Department, inspected, and condemned. The day and hour for exchange should be arranged for by communication between the ordnance officer and the officer commanding.

When the unit is quartered at another station the new articles will be supplied prior to the return of the unserviceable, and the officer commanding will, upon receipt thereof, immediately return the unserviceable, and will not cause any corps marks to be placed upon the new equipment until he receives notification from the ordnance officer that the articles returned are considered to be in a state for condemnation. The inspection and notification by the Army Ordnance Department will be carried out immediately the stores are received. Should any of the equipment so returned be found, on receipt by the Army Ordnance Department, to be not unserviceable, or still capable of repair by regimental artificers, the chief ordnance officer will call upon the officer commanding to furnish an explanation for the information of the General Officer Commanding, who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the unit and the new articles issued returned to the Army Ordnance Department, the cost of carriage unnecessarily incurred being defrayed by the officer commanding the unit concerned.

58. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the chief ordnance officer will bring the same to the notice of the General Officer Commanding who will determine, by means of investigation by a board of officers, or otherwise, whether the troops are liable.

59. No reduction in any authorised equipment will be made without the sanction of the War Office, but if, owing to an authorised reduction, or any other cause (*see* also paragraph 43, Part 2, Section XIIa), officers who are accountants have on charge surplus stores or equipments not likely to be again required within a short period, the General Officer Commanding will decide whether they shall be retained or returned to store. If a reduction in the establishment of men or horses be authorised, the stores to be disposed of will be the actual complete sets of equipment in use by the men or horses drafted to other corps or otherwise dealt with as supernumerary.

60. Commanding officers will, previous to change of station, obtain authority from General Officers Commanding to return to the Army Ordnance Department such stores of a bulky nature as they can temporarily dispense with, and, on receiving such authority, will apply to the ordnance officer receiving them for a certificate of their quantity and condition. They will then be enabled, on reaching their destination, to draw from the Army Ordnance Department, on this certificate, an equivalent supply if necessary.

61. When it is not advisable to return these stores, as for example, should there be no ordnance dépôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will be taken with the corps, and public conveyance will be provided; but if this be not practicable, and expenses are incurred for carriage from one station to another, the charge must be supported by a list

of the stores, and a certificate from an officer of the Army Service Corps that army transport could not be provided.

62. All equipment issued to meet the purely local requirements of a station, will be returned to store by outgoing units, unless they are required to be handed over to the incoming unit, when the transfer will be effected through the Army Ordnance Department.

63. Except in the case of a mobilization, the small-arm ammunition in charge of troops, whether service or practice ammunition, will be returned into store previous to their departure from a station, with the exception of a sufficient quantity to provide the guards and escorts with 20 rounds for each man. If no ordnance depôt exists at the station, it will be handed over to an officer of the Army Ordnance Department deputed to receive it, who will at once note thereon the condition in which it was received by him. The service and practice ammunition are to be shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be the authority for the unit to draw a similar quantity at the new station (see paragraph 214). The ammunition given into store in boxes with unopened linings will be available for re-issue to other units, and cannot be objected to.

64. When stores are issued on loan from the Army Ordnance Department (as for instance, for the service of moving ordnance on re-armament), the commanding officer to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

65. Commanding officers are responsible that all chests, cases, barrels, and cylinders, received with equipment of any kind, are handed over as soon as they can be dispensed with to the Army Ordnance Department; and, if possible, without cost to the public. The packages will be addressed:—The Ordnance Officer———. From the Officer Commanding———.

66. As at out-stations a consignment of cases, &c., from a single unit might be insufficient to obtain the lower rate of freight, officers commanding troops will arrange, monthly if necessary, for all empty packages to be sent in one consignment to the ordnance depôt concerned. Each package will have clearly marked upon it the name of the unit returning.

67. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store depôts, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, &c., being left among stores of any kind.

68. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

69. When stores are returned by carrier, a carrier's note, A.F. G 980, detailing the number, description, and weight of packages, bundles, and loose articles, and the number of articles contained in each bundle, will be delivered to the carrier. For explosive stores and those conveyed at owner's risk rates by railway in Great Britain, A.F. G 996 will be used in lieu of A.F. G 980 (see Allowance Regulations).

- 70. When stores are returned into store in packages, a packing note on A.F. G 1028, signed by the packer, and also, if practicable, by the person witnessing the packing, will be placed in each package.

- 71. When stores are forwarded by convoy or under escort, convoy notes, A.B. 158, will be delivered to the officer commanding the convoy or escort, or to the conductor, and the following course will be observed :—

(a) The officer in command of the escort, or the conductor, will satisfy himself that the stores agree with the account given to him, in order that there may not be any subsequent questions as to the correctness of the convoy notes, three of which will be filled up. These will be signed by the officer despatching the stores, and a receipt will be taken on one of them from the officer commanding the escort or from the conductor. The receipted note will be retained by the consignor, and the other two will be carried by the officer commanding the escort or by the conductor to the consignee. One of these will be receipted, and returned to the officer or conductor, and the other kept by the consignee. The day and hour of departure will be inserted upon the convoy notes by the consignor, who will forward the proper issue voucher for the signature of the consignee. In forwarding ammunition it will always be kept separate from other stores (*see* paragraphs 221 to 234).

(b) When stores are received from troops, the ordnance officer will obtain from the officer in charge of the escort, or from the conductor, the convoy notes, or other receipt vouchers, and having found the articles to be correct, he will return one copy receipted to the officer or conductor, forwarding the usual receipts to the consignor as soon as possible. Should, however, the regular receipt vouchers not be forthcoming, the stores will nevertheless be received, and the ordnance officer will report the omission to the consignor, to whom he will at the same time forward a receipt for the stores actually received.

(c) When the stores do not agree with the convoy notes, the ordnance officer will inquire into the cause of disagreement. If it appears to arise from negligence or fraud, such measures will be taken as may be requisite in order that the offender may not escape punishment. If it appears to arise from just and fair causes, the ordnance officer will obtain a certificate of any such deficiency, damage, or loss, before the officer in command of the escort or the conductor can be discharged. Should a court of inquiry be necessary, the chief ordnance officer will apply for one to the General Officer Commanding.

72. The fired cases of small arm ball and blank cartridges supplied gratuitously will be brought on equipment ledger charge by certificate in the proportions shown below, and returned each year, wherever practicable, to the Army Ordnance Depôts from which they were issued. The cases will be brought on by weight and not by numbers.

57
Egypt
426

Nature of ammunition.		Weight to be brought to account per 1,000 rounds expended.
57	·303-inch ball	lbs. 24
Egypt 426	·303-inch blank { Mark V " VI	12 15
	Pistol, Webley, ball and blank	9

The rates to be charged for any deficiencies in the above proportions for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be governed by the rates included in the "Statement of prices obtainable at the Royal Arsenal to guide disposal of produce, &c." (published half-yearly by the Deputy Director of Ordnance Stores, Woolwich Arsenal). These rates will be notified in Command Orders.

The number and date of the ordnance voucher on which the cartridges were received will be quoted on the payment voucher of the officer charging the value of the empty cases.

73. Cases will be returned to store in the empty ammunition packages, once a quarter, and officers commanding will not return a less weight than that representing 1,000 cases, except in the last quarter of the year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed, and that no live cartridges are included in them. Each package will contain a packing note on A.F. G 904, showing the rank, name, and unit of :—

(a) The person by whom the cartridge cases were sorted and packed.

(b) The responsible individual by whom the supervision of the sorting and packing operations were carried out.

If live cartridges are found in any of the packages, the matter will be reported to the general officer commanding for such disciplinary action as he considers necessary.

74. The foregoing general instructions apply equally to the chargers issued with "charger packed" ·303 inch ball ammunition. The weight to be brought to account in respect of each 1,000 chargers will be 25 lbs.

Vocabulary rates will be employed in calculating—

(a) Charges for deficiencies.

(b) The sum to be refunded to corps for chargers returned from issues of ammunition on payment, provided the chargers are serviceable upon receipt from the troops by the Army Ordnance Department. No refund will be made in the case of unserviceable chargers.

The cardboard boxes employed for ·303-inch charger packed ammunition should be returned to local Army Ordnance Department store with fired cartridge cases and chargers.

No allowance will be made for cardboard boxes returned to store from ammunition issued on payment.

D.—ANNUAL INSPECTIONS.

75. The officer commanding Royal Artillery, the commanding Royal Engineer, and the chief ordnance officer, will at least once a year, or whenever necessary, make a joint inspection of works, magazines, stores, workshops, &c., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

E.—BOARDS OF SURVEY AND COURTS OF INQUIRY.

76. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

77. Articles of equipment which may become unserviceable, owing to accident or otherwise, before the expiration of the period fixed for their duration, are not to be written off charge, nor is the loss to be borne by the public, unless the reason for the article having become unserviceable is fully set forth.

78. When stores or equipment of any kind are lost, destroyed, or injured, and it is a matter for consideration (owing to responsibility not being clear, or the charge being demurred to by the person held responsible, or for other reasons) on whom the expense of replacing or repairing them should fall, the course laid down in the King's Regulations will be followed.

79. The original report or proceedings of court of inquiry will be forwarded to the chief ordnance officer, and will be accompanied by A.F. G 998, in duplicate, duly filled in. Further action will then be taken as follows :—

(a) When the report or proceedings of court of inquiry is forwarded by the General Officer Commanding to the War Office for decision, indents for any stores required in replacement may be put forward on the Army Ordnance Department without waiting for the decision of the War Office in the matter. The date and number of the letter from the General Officer Commanding to the War Office will be quoted on the indents.

(b) When the General Officer Commanding dispenses with a court and approves or decides the action to be taken on a report, the date and registered number of such approval or decision will be quoted on the indent on the Army Ordnance Department for any stores required to be replaced.

80. Reports of commanding officers referred to in the preceding paragraph and proceedings of courts of inquiry will, in the case of arms, record the number of the barrel, as well as the regimental number of the arm (*see* paragraph 120). A.F. G 998 for arms should not include any other stores.

81. When a damaged arm or barrel is sent to the Chief Inspector of Small Arms for special report, a label stating the circumstances

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and giving the reference number and date of any War Office orders, or proceedings of courts of inquiry, will be attached to the arm or barrel for identification.

82. If there be an officer of the Army Ordnance Department available who is not the chief ordnance officer, he will serve as a member of courts of inquiry, where necessary, under the foregoing instructions. The proceedings of such courts will be transmitted in duplicate by the president, direct to the chief ordnance officer. After the General Officer Commanding has recorded his decision the chief ordnance officer will send one copy to the officer commanding the corps concerned, to serve as his authority to write off the stores or demand new articles to replace them.

83. If the loss or damage has occurred when the Royal Artillery have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain calculated to be borne by them, the actual weight to be lifted, the distance through which the stores are to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

84. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the Royal Artillery, Royal Engineers, or any particular service, the General Officer Commanding will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in the King's Regulations dealing with these subjects.

85. Surveys on the equipments of troops proceeding to or returning from India will be held in accordance with the instructions in Appendix II.

F.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

86. Every officer receiving equipment, ammunition, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper army forms for all articles leaving his charge.

87. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paragraphs 88 and 263. Detailed instructions for keeping these ledgers are given in Appendix I. Stores for permanent military telegraph, telephone and signal stations will be accounted for, when in the custody of the Royal Engineers, as laid down in the Regulations for Engineer Services. Equipment accounts will not be kept by units on active service.

88. Materials for repair, and other consumable articles (except explosives and ammunition) drawn upon regulated scale will not be taken on charge in the equipment ledgers; but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. Packages, including

those from the Stationery Office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

89. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities drawn for consumption will, as expended, be written off charge by vouchers, signed by the commanding officer, in the case of small arm ammunition as follows:—One dated at the end of the musketry year showing the expenditure to that date since the preceding 31st March and one dated 31st March, when the account is closed. On these vouchers will be given full particulars of the numbers of men, &c., and the paragraphs of regulations or authorised scales of expenditure covering the issues.

90. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded quarterly in accordance with paragraph 22; the unserviceable articles will be returned to the Army Ordnance Department, and the deficiencies written off charge on A.F. P 1925 at the end of each month. The value of the lost or unserviceable stores (see paragraphs 99 and 100) will be credited to the public in the pay list on A.F. P 1963. The equipment issue voucher for the stores struck off charge will give a direct reference to this credit, and the indent for stores in replacement will quote the equipment issue voucher.

91. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorised by the General Officer Commanding. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

92. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey, or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced will be obtained as laid down in paragraph 79.

93. All stores disposed of locally under paragraph 51 will be written off charge in the equipment account by certificate voucher on A.F. P 1957. The regimental accountant, through whom the matter has been adjusted, will duly certify this voucher, and the chief ordnance officer will approve it before the stores are delivered to the purchasers.

94. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the General Officer Commanding, obtained through the chief ordnance officer. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an ordnance officer should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one commanding officer to another on a change of command, which are governed by paragraph 13.

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95. Officers commanding dépôts will be held responsible for the care and safe custody of such arms and accoutrements as may be kept in store at the dépôts for issue to the army reserve. These stores will not under any circumstances be taken into use without previous authority from the War Office, and will be accounted for in a separate equipment ledger. (See paras. 171 and 172.)

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96. The accoutrements of reservists (together with the clothing and necessaries referred to in Appendix XII, Clothing Regulations, Part I) will be stored by sets in pigeon holes. A.F. G 1090, giving the name and number of the man, and particulars of the personal equipment stored for him, will be placed in the "frame card" which is provided for A.F. H 1117.

97. The unserviceable arms issued for drill purposes will be accounted for in the equipment ledgers, in a separate column, headed "rifles (or carbines), D.P." and the arms for aiming tubes in a separate column, headed "rifles (or carbines), for aiming tubes only."

98. Officers commanding the following detachments will become direct accountants for their equipment. On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from the unit or units furnishing the men. The General Officer Commanding will report to the War Office the circumstances rendering the opening of a fresh account necessary:—

(a.) Dépôts of cavalry regiments in the colonies and Egypt.

(b.) Detachments left behind in quarters by units proceeding on active service. In such cases the equipment of each detachment will be accounted for in a separate ledger, whether the detachments remain independent, are attached to units, or are formed into provisional battalions, except only on the absorption of a detachment into its territorial dépôt or other unit, when the equipment will be transferred to the ledger of that dépôt or unit, as directed in Appendix I. The marking on the equipment of men left behind will not be altered unless they are permanently transferred.

(c.) Detachments serving abroad, and separated from their headquarters for lengthened periods, and by considerable distances.

(d.) Detachments of Royal Engineers, serving abroad belonging to companies serving at home, or *vice versa*, until the detachments rejoin their companies. Detachments of Royal Engineers serving at home, belonging to companies serving at home, will be governed by paragraph 26.

(e.) Detachments of the Army Service Corps, Royal Army Medical Corps, and Army Ordnance Corps stationed abroad.

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99. A soldier, who by neglect or culpable mismanagement, loses or damages any article of his personal equipment, will, unless he elects to be tried by court-martial be charged as follows:—

(a.) *Repairable damage*:—

Actual cost of repair, including both wages and materials or components. As regards small arms, the charges will be in accordance with the scale laid down in Regulations for Army

Ordnance Services, except that barrels slightly rusted inside will be thoroughly cleaned by the armourer at a charge of 4d. each.

(b) *Loss or damage beyond repair:—*

The proportionate value of the article for the unexpired period of duration, provided that, (1) the maximum charge for any one arm shall not exceed 40s., (2) and the minimum charge shall not in any case be reduced below one quarter of the full value of the article, even though it has been in use for the full period of duration.

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Twelve years will be taken as the period of duration for any article for which no period has been laid down; and the unexpired period will be calculated in half-years, any period of less than six months being charged against the soldier as a full half-year. The rates upon which the calculations will be made are those laid down in the Priced Vocabulary of Stores.

100. Culpable repairable damage to equipment, other than personal equipment in possession of a soldier, will be charged for as in paragraph 99 (a). Charges for such equipment when culpably lost or damaged beyond repair will be made as in paragraph 99 (b) if the proportionate value can be estimated or ascertained; if not, the full value will be charged. Any evidence as to the proportionate value will be recorded in the proceedings of the court of inquiry or other authority which investigates the loss.

Charges for deficient camp equipment will be assessed as directed in paragraph 264.

101. Provided that the amount charged against the soldier is in accordance with the rules of assessment laid down in paragraphs 99, 100, and 264, commanding officers may dispose of all losses, &c., under these paragraphs, except that—

(a) If the amount proposed to be recovered from any soldier exceeds £2, the approval of the General Officer Commanding must be obtained.

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(b) If it is proposed to allow any portion of the loss (except in the case of a single arm valued at more than £2) to fall on the public the matter must be dealt with under paragraph 671 of the King's Regulations.

102. The authority of the chief ordnance officer will be sufficient for any charge in the pay lists on account of equipment. When officers against whom claims are made have no cash account with the War Office, payment will be made by them to the district accountant.

103. When articles are ascertained to have been lost by desertion they will be struck off charge by a certified copy of the proceedings of the court of inquiry (A.F. B 115), held under Section 72 of the Army Act.

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104. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

105. A deserter rejoining will, by sentence of a court martial, or award of competent military authority dispensing with his trial, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

106. At the end of each month a return will be prepared on A.F. P 1963, showing the names of, and the amounts recoverable from any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 99 to 105. The stoppage returns will be made out by squadrons, batteries, or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

107. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

108. The undermentioned articles will not be brought on charge in equipment ledgers of units, or accounts of artillery works or positions:—

(a.) Articles supplied to the garrison staff for local use.

(b.) Camp equipment, which will be accounted for to the Army Ordnance Department as laid down in paragraph 263.

(c.) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (A.B. 165).

(d.) Barrack stores not forming part of the fixed equipment of the Royal Artillery or other corps, or issued by the Army Ordnance Department for use in camps. Also disinfectants.

(e.) Candles, oil, and wick for magazine lanterns and signalling lamps; matches, Bryant and May's. (These are obtained from the Army Service Corps.)

109. Official books, printed records, lithographs,* and maps obtained from the Army Ordnance Department, except the hand books included in corps details, will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

110. Accountants will furnish with their periodical accounts a certificate that the list or catalogue alluded to in paragraph 109 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

111. On changes of heads of departments, staff officers, or commanding officers, the officer assuming charge will verify the lists and report any deficiencies.

SECTION III.—ARMS, ACCOUTREMENTS, AND ARM CHESTS.

A.—GENERAL SUPPLY OF ARMS AND ACCOUTREMENTS.

112. The arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in Equipment Regulations Part 2.

* Issue discontinued.

113. Units will always have, during peace, arms and accoutrements for their full peace establishment.

114. Arms and accoutrements being regimentally marked may not be transferred from one unit to another except in time of war and as directed in paras. 131 and 133.

115. Extra service arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to accounting units temporarily augmented. Arms so issued, being specially marked will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the corps leaves the station, unless it may be necessary to send them away with armed drafts, in which case a return of the number of arms sent away and of their marking will be at once made by the commanding officer to the Army Ordnance Department. These arms will be shown in returns and accounts as "extra service" arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

116. Drill purpose arms may be issued in the proportions prescribed in the various sections of Part 2. They should only be demanded for the training of recruits, and in the case of infantry battalions should not be permanently retained, unless there is a reasonable prospect of their being required for frequent use.

They must not be used for ball firing, and no charge for damages will be made, except for such as are manifestly wilful.

117. The practice swords supplied in conformity with the barrack schedules will invariably be used (with the service scabbards) by recruits and young soldiers at drill, mounted or dismounted, instead of their service swords; also by all soldiers at "sword post practice," &c., and at competitions and practices in which swords are liable to strike each other.

118. All the arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially detailed for that duty by the Chief Inspector of Small Arms. An application for the services of a viewer for this purpose will be made by the commanding officer of the corps concerned, through the General Officer Commanding.

119. The viewer will report specially on the condition of the arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the arms have been caused by neglect, or by fair wear and tear due to exceptional service, or to the effects of climate.

120. In all reports relating to rifles, the number of the arm and the name of the factory at which it was manufactured will be stated. The number of the rifle and the name of the factory will be found stamped on the body.

B.—ARMS, ACCOUTREMENTS, AMMUNITION, AND STORES FOR TROOPS AND ANIMALS ON BOARD SHIP.

121. When a General Officer Commanding is notified from the War Office of the numbers of men or animals to be embarked for service abroad in a vessel commencing its voyage from a port in

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his command, he will cause full details to be immediately furnished to the chief ordnance officer nearest to such port.

122. The chief ordnance officer will—without indents from commanding officers—cause arms, accoutrements, ammunition, and other stores, in accordance with the scales prescribed in Appendix III, to be placed on board for the whole of the troops or animals to be embarked, regardless of whether they all join the vessel at the port from which it commences its voyage, or are subsequently embarked at other ports, and irrespective of the stations at which they may be located when detailed for embarkation. The date upon which the vessel will be ready for the reception of the stores will be notified from the War Office to the General Officer Commanding.

123. Before the vessel leaves the initial port of embarkation the officer commanding the troops will satisfy himself that the authorised proportions of ammunition, arms, equipment, clothing, and stores have been placed on board, and that the ammunition has been properly secured in the magazine.

124. He will be responsible for the care and custody of such stores during the voyage, and will see that they are duly accounted for in accordance with the following instructions:—

- (a) When an acting quartermaster-serjeant is appointed to the ship, the arms, ammunition, and other stores will, under the superintendence of the officer commanding troops on board, be entered by him in A.B. 165 in the form of an equipment ledger (*see* Appendix I). On the termination of the final voyage of the season, the ledger will be balanced and forwarded to the chief accountant of the command. The stores remaining on charge will be handed over to the nearest army ordnance depôt by the store accountant on board ship, issue vouchers being passed. Books will not be accounted for in the ledger. They will be vouched "within the line" when issued from, and returned to Army Ordnance Department store.
- (b) When an acting quartermaster-serjeant is not appointed, the chief ordnance officer at the issuing station will forward a list of the stores issued, to the ordnance officer at the terminal port of disembarkation, when this can be ascertained. The officer commanding the troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the stores to the ordnance officer nearest to the port at which the vessel completes its voyage.
- (c) In either case, (a) or (b), the officer commanding will, when ammunition or any other store has been expended during the voyage, give a certificate that such expenditure has been necessary, detailing the circumstances. Deficiencies (including deficiencies of books) will be dealt with as laid down in the King's Regulations. Certificates relating to expended stores and correspondence respecting deficiencies, will be attached to the voucher bringing the remainder

of the stores on charge in the Army Ordnance Department accounts. If any stores are disposed of *en route* at intermediate ports, the officer commanding will obtain temporary receipts and attach them to the original vouchers.

- (d) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the stores off charge.
- (e) In the case of Indian transports, sums recovered from the troops in respect of losses or damages during the voyage will be credited as follows :—

- (i) At the end of the outward voyage { To the Presidency Paymaster at Bombay, or to the Paymaster at Karachi.
- (ii) At the end of the homeward voyage { To the district accountant nearest to the port of disembarkation.

All vouchers and claims in connection with (ii) will be endorsed in red ink "Indian Troop Service Accounts."

125. In addition to the articles detailed in Appendix III, the chief ordnance officer will arrange that 300 pairs of canvas deck shoes are placed on board each Imperial and each Indian transport. They will be handed over to the master of the vessel for sale to the troops as required, and will be accounted for by him to the Director of Transports, Admiralty. Immediately the shipment has been effected, the chief ordnance officer will furnish a report direct to the Director of Transports, Admiralty, upon a form similar to that shown in Appendix III. Deck shoes will not be placed on board freight ships.

C.—SUPPLY FOR ARTILLERY CLERKS AND ENGINEER STAFF CLERKS AND MILITARY POLICE, &c.

126. The arms, accoutrements, and ammunition for Artillery clerks, Engineer staff clerks and for serjeant instructors of gymnasia, at the several stations and districts will be demanded and accounted for by the staff (or other) officer under whom they are serving. Equipment for staff clerks in Royal Engineer offices, military foremen of works, and military telegraphists, will be demanded and accounted for by Commanding Royal Engineers, except in the case of the Superintendent of Building Works, Royal Arsenal, Woolwich, who will be a direct accountant for the equipment of the staff under his orders.

127. Magazine rifles will be issued to the supernumerary staff Royal Engineers, for use at shooting competitions, rifle meetings, &c., at all stations at which such an issue is desired. The arms will be held on charge by Commanding Royal Engineers in the equipment ledger of the supernumerary staff. The number issued must not at any time exceed 25 per cent. of the local strength of the R.E. supernumerary staff. A proportionate part of the cleaning materials allowed by Appendix VIII may be drawn.

128. When an Engineer staff clerk, military foreman of works, military mechanist, or military telegraphist of the rank of quartermaster-serjeant moves from one station to another, he will take his arms and accoutrements with him, care being taken that receipt and issue vouchers are sent by the accountant to the station to which the warrant or non-commissioned officer is proceeding. In the event of the arms and accoutrements being surplus in consequence of an Engineer staff clerk, military foreman of works, military mechanist, or military telegraphist becoming non-effective, they will be returned to the nearest ordnance depôt.

129. The arms and accoutrements of Artillery clerks are held on charge by the officer commanding the brigade or company to which they are attached.

130. The equipment of the military mounted and foot police will be demanded and accounted for by the provost-marshal, Aldershot.

D.—SUPPLY FOR ROYAL ENGINEERS (EXCEPT THOSE DEALT WITH UNDER PARAGRAPHS 126-130), ARMY SERVICE CORPS (AND STAFF CLERKS ATTACHED THERETO), ROYAL ARMY MEDICAL CORPS, ARMY VETERINARY CORPS, ARMY ORDNANCE CORPS, AND ARMY PAY CORPS.

131. The arms and accoutrements of dismounted men of the Royal Engineers will be transferred from unit to unit and from station to station with the men, by regular voucher, from one accountant to another.* The arms and accoutrements, however, of mounted men will not be transferred with the men but will remain in charge of the several units.

132. With the exception of those for warrant officers, the arms and accoutrements of the mounted men of the Army Service Corps, and those of the mounted station staff, will remain on charge of the companies and stations respectively, and will not be transferred with the men. Those of the station staff will be accounted for by the depôt, or by one of the mounted companies at the station.

133. The arms and accoutrements of all warrant officers of the Army Service Corps, and of the dismounted portion and mechanical transport branch of the Army Service Corps, including any staff clerks attached thereto, also those of the Royal Army Medical Corps, Army Veterinary Corps, and Army Ordnance Corps, will, in all changes of station, be taken with the warrant officers, non-commissioned officers, and men, and will be transferred by regular voucher from one accountant to another. A reasonable supply will always be retained in store at the depôt, Royal Army Medical Corps, Aldershot, for issue to recruits.

134. All serviceable surplus arms and accoutrements of the dismounted men of the Royal Engineers, the dismounted portion Army Service Corps, the Royal Army Medical Corps, Army Veterinary Corps, and the Army Ordnance Corps, caused by men becoming

* These instructions will not apply to men proceeding to India.

non-effective, &c., will, except as provided in paragraph 135, be transmitted "in transit" through the Army Ordnance Department, as follows:—

Royal Engineers, to Corps Armoury R.E., St. Mary's Barracks, Chatham.

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1903

Army Service Corps, to dépôt at Aldershot ("A" Supply Co. A.S.C.).

Royal Army Medical Corps, to dépôt at Aldershot.

Army Veterinary Corps, to depot at Woolwich.

A.O. 195

Army Ordnance Corps, to dépôt at Woolwich.

1906

The articles will be charged by voucher direct to the dépôt, and the consignor will be held responsible that they are properly packed, and the arms sufficiently protected by "composition preserving arms" (to be obtained, if necessary, from the Army Ordnance Department), in order to prevent damage by rust in the event of any delay in transit occurring.

135. At stations abroad, officers commanding detachments will not send home the surplus arms and accoutrements if there is a probability of vacancies being filled up locally in the departmental corps by volunteers from the garrisons, to whom the arms and accoutrements could be issued on the spot.

136. The arms and accoutrements of the Army Pay Corps will be demanded and accounted for by the accountant under whom the men are serving, and will be dealt with as directed in paragraph 128.

In the case of a promotion necessitating a change of arms and accoutrements, the change will be carried out locally.

E.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA AND COLONIAL STATIONS.

I.—INDIA.

137. The arms and equipment of such drafts will be dealt with as laid down in Appendix II.

II.—COLONIAL STATIONS.

138. Except as otherwise provided for, warrant officers, non-commissioned officers, and men proceeding as "drafts" should, under ordinary circumstances proceed unarmed, but each should take the following items of equipment:—

Waterbottle with strap, carrier or carriage for same.

Haversack.

Mess-tin.

Cover for mess-tin (dismounted men).

Strap for mess-tin (mounted men).

When any amendment to the foregoing is necessary, special instructions will be issued by the War Office.

F.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

139. Articles for musketry instruction will be supplied in the proportions shown in the several sections of Equipment Regulations, Part 2.

They will be accounted for as equipment and returned into store upon embarkation for active service.

G.—SUPPLY OF ARM CHESTS.

140. Regimental arm chests or cases, with hinges, suitable for the packing of rifles and carbines, are issued by the Army Ordnance Department for use during peace as ordinary equipment, at the rate of one chest or two cases for each company of garrison artillery, unit of Royal Engineers, and company of infantry, and two chests or four cases for each squadron of cavalry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in the Allowance Regulations. These packages will only be supplied to the above-mentioned services, and the chests will be returned to store prior to embarkation to India, and cases drawn as required.

SECTION IV.—REGIMENTAL TRANSPORT.

141. One complete set of regimental transport, as laid down in Equipment Regulations, Part 2, Section I, will be provided for each regular battalion of infantry at home, and will be held on equipment ledger charge.

142. In the event of a unit permanently changing its station or barrack, the complete set of regimental transport, including shoeing tools, will be transferred to the relieving unit. In case of delay in the relief of one unit by another, the General Officer Commanding will arrange for the temporary custody of the regimental transport, and will direct the officer to whom it is handed over to take it on charge in his equipment account. These stores are issued for instruction in transport duties, but will be kept at all times fit for actual service. This transport may be temporarily detached from its station when required to accompany the unit to camps, on manoeuvres, &c., under instructions from the General Officer Commanding.

143. The equipment will be kept in repair by the regular artificers of the troops at the station, as the General Officer Commanding may direct, under paragraphs 366 and 369. Necessary materials for the repair of harness and saddlery in use with regimental transport will be supplied on demand, as actually required. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office.

SECTION V.—MOBILIZATION EQUIPMENT.

144. The authorised scales of equipment are published from time to time in mobilization store tables (A.F. G 1098 series).

145. In certain cases the mobilization equipment will be in charge of the officer commanding, and accounted for at the end of the equipment ledger of the unit.

146. Officers commanding units, who have mobilization equipment in charge, are responsible to the General Officer Commanding that it is correct in every respect, and fit for service; that the instructions given in Regulations for Army Ordnance Services, Part I, as to custody and arrangement of mobilization stores are carried out with regard to it, and that, subject to the exceptions referred to in paragraphs 147 to 151, no portion of it is taken into use without special War Office authority obtained through the General Officer Commanding.

147. In the event of vehicles belonging to mobilization equipment in charge of batteries of Royal Artillery being temporarily and unavoidably required to replace peace equipment vehicles under repair or otherwise not available, or, in the event of water or small arm ammunition carts belonging to the mobilization equipment of units being necessarily required in the district for use on field days, or at manœuvres and camps of instruction, the temporary issue of these vehicles may be sanctioned by the General Officer Commanding who is, in both cases, responsible that they are returned to store in a thoroughly serviceable condition when no longer required.

148. Special articles of the technical equipment of Royal Engineer units, the fitness of which for service can only be verified and maintained by occasional use, may be used at the discretion of the officer commanding the unit, to ensure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements, and they are to be kept quite separate from the peace equipment; a book is to be kept by the officer commanding the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used, and the condition after testing or use.

149. Bags, saddle ammunition may, when required, be used by cavalry regiments during field firing and reconnaissance work.

A.O. 53
1908

150. Officers commanding units having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in Army Ordnance Department charge, will attach a certificate to A.F. B 89 or 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.

Once in each year the mobilization equipment in charge of units (except Q.F. ammunition, harness, saddlery, and pack-saddlery), and where circumstances admit of it, the mobilization equipment held for units by the Army Ordnance Department (with similar exceptions), will be drawn by them, and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed as far as practicable. Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district, and old blankets in rolls of 20 as well as old camp kettles will be issued if possible in lieu of the new articles.

A.O. 212
1908

At the end of the course the unit will perform a route march with its transport packed as for service if arrangements can be made for horsing the vehicles, the horses and harness of other

units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace.

54
M.G.
956
151. The signalling, telephone, printing and lithographic equipment of headquarters units, the machine gun equipment and certain of the intrenching tools of infantry battalions (see paragraph 323) may be used, if required, during the training periods. The machine gun must not, however, be used for firing during peace. The stores should be carefully overhauled on conclusion of the training and replaced in mobilization equipments in a thoroughly serviceable condition.

152. Mobilization equipment in charge of units will be kept entirely separate from the peace establishment equipment; and on a unit quitting the station the mobilization equipment will, in the absence of an order to the contrary, be handed over to the officer commanding the relieving unit.

153. Mobilization store tables of the latest editions will be kept with the equipment of units, and officers commanding units whose mobilization equipment is in charge of the Army Ordnance Department, will always have copies of these tables in possession.

154. When mobilization equipment is in charge of the Army Ordnance Department at or near the station of the unit, the commanding officer will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the General Officer Commanding.

Commanding officers will arrange the date for these inspections with the chief ordnance officer.

155. On mobilization being ordered, the store table will be the guide as regards the articles of equipment which a unit takes with it into the field. It is therefore of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the store table, required for war, should be at all times complete and serviceable.

A.O. 72
1906
156. Officers commanding units holding mobilization equipment will render a return of the deficiencies in such equipment, on A.F. G 1080, to the chief ordnance officer of the area, half-yearly, on the 15th April and 15th October.

A.O. 195
1905
157. A monthly report on A.F. G 919 of the action taken to carry out alterations in mobilization equipments ordered by List of Changes, Army Orders or other War Office authority, will be rendered by officers commanding units having these equipments in their charge to the chief ordnance officer of the area.

158. As regards the turnover of stores in the case of all units holding mobilization equipment, when new articles are required to replace unserviceable ones in the peace equipment, indents should be forwarded to the Army Ordnance Department in the usual manner, but it should be stated thereon which of the articles demanded can be transferred from the mobilization equipment. The chief ordnance officer will notify which of the articles may be

transferred from mobilization to peace equipment to meet the indent, but no stores should be so transferred until similar articles from ordnance depôts are actually on the spot to replace them. The chief ordnance officer will also arrange for articles which are issued from the mobilization equipment being marked with the date of issue before transfer to peace equipment takes place.

159. The turnover of ammunition for Royal Horse, Field and Heavy Artillery stored in ammunition columns and battery equipments at home, will be carried out on the following lines :—

When in the same command batteries will obtain their supplies from the brigade ammunition column. In a similar way brigade ammunition columns will be filled up from divisional ammunition columns if located in the same command.

In all other cases the ammunition will be demanded from the D.D.O.S., Woolwich, who will arrange supply.

Ammunition of the oldest date of manufacture is to be issued, and steps will be taken to ensure that, as far as possible, the newer ammunition to replace such withdrawals is available in the commands before the columns are depleted. In the event of supplies not having been received, issues will not, however, be delayed.

A.O. 58

1908

160. When sanction is given by the War Office for the transfer of mobilization stores from Army Ordnance Department charge to the custody of a unit, the officer commanding the unit will be responsible that the stores are arranged in accordance with the regulations (see paragraph 146), and will, if necessary, apply to the chief ordnance officer for skilled departmental labour for carrying out the service in the first instance.

161. When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual way, and should any discrepancies exist, full explanation of each will be afforded by the officer commanding the outgoing unit.

162. All vehicles and spare wheels in possession of units as mobilization equipment, will be inspected once every three years by Army Ordnance Department artificers under the immediate supervision of the inspector of ordnance machinery.

All harness and saddlery held by units as mobilization equipment will be inspected at similar intervals by an inspector or artificer of the inspection branch.

A permanent record showing :—

(a) The dates (year and month) of all inspections ;

(b) The dates (year and month) on which harness and saddlery were last dubbed, lacquered, &c.,

A.O. 212

1908

will be kept on A.F. G 1089, which should be affixed to an inventory board to be hung up in each storehouse.

163. The instructions for the preservation of harness and saddlery given in Regulations for Army Ordnance Services will be followed for the harness and saddlery of mobilization equipment. Special attention should be paid that the saddlery and harness is kept properly dubbed and in good condition.

Cleaning materials according to the following scale will be allowed for this purpose :—

		Annual proportion for each		
		10 sets of harness (double).	10 sets of saddlery.	10 sets of pack- saddlery.
<i>Section, No. 9A.</i>				
Dubbing†	 lbs.	2	1	1
Naphthalene*	 ozs.	5	2½	4
Oil, rape	 qts.	2	½	½
Tallow, Russian or home- melted English††	 lbs.	½	¼	—
Varnish for bright work§	.. pints	½	⅓	⅓
<i>Old Stores.</i>				
Linen or cotton, old	 lbs.	1	½	½

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2462

* For pannels, saddle blankets, and numnahs. These quantities are only inserted as a guide in preparing indents, but supply may be made as local circumstances require under the authority of the G.O.C.

† For officers saddlery; seats and flaps of saddles; buckets, carbine and lance at the times specified in the Regulations for Army Ordnance Services, Part I.

‡ Dubbing and tallow for mobilization store purposes, calculated on the annual allowance, may be drawn biennially or triennially to meet the periods in which the articles are to be treated.

§ To be drawn biennially or triennially as required.

164. When neck collars are stored with harness in mobilization equipment charge, the sizes of the same should be in the following proportions for the services named :—

Service.	Sizes and proportion per 100 collars.								
	21 in.	21½ in.	22 in.	22½ in.	23 in.	23½ in.	24 in.	24½ in.	25 in.
Royal Engineers	6	20	20	22	20	7	3	1	1
Army Service Corps and regimental transport of cavalry and infantry	2	20	20	24	15	8	7	3	1

165. The proportion of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization—with instructions relating thereto—are detailed in Appendix XII.

166. Spare articles on peace charge if liable to be expended during peace, are not to be regarded as being available on mobilization.

167. Inventory forms (A.F. G 1096 series containing printed lists of components, accessories, &c.) will during peace be pasted on one side of inventory boards issued with vehicles allotted to units as war equipment.

168. Officers commanding units will be held responsible that the stores for the cleaning, preservation and repair of mobilization equipment are actually in possession, and will sign the certificate to that effect at the end of the equipment ledgers.

They will not be taken into use until units arrive at their places of assembly or war stations, previous to which period their requirements will be met as follows. Units existing in peace will use up

the balance of their peace supply. Units that do not exist in peace (or units not having a sufficient balance of their peace supply) will be provided for on the peace scale under the authority of the General Officer Commanding.

169. With every set of horse shoes, sixty nails will be stored for use on active service.

170. Tools, opening packages, will be allowed for each reservists equipment store, as follows :—

Section No. 7.

Chisels, ripping	....	....	....	....	1
Drivers, screw, G.S., 9-inch	....	....	....	....	1
Hammers, fitters, 24-oz.	....	....	....	....	1
Knives, laboratory	....	....	....	....	1
Nailpullers	....	....	....	....	1

171. The responsibility for the care and custody of reserve arms and accoutrements at dépôts lies with the officer commanding the dépôt (*see* para. 95). Arrangements will be made for the examination of the arms to ensure that each individual one is inspected, and re-oiled on the outside, at least once in every three months. The insides of the barrels should be wiped out, examined, and re-greased with the diluted composition referred to in paragraph 172, or a mixture of 95 per cent. mineral jelly and 5 per cent. beeswax, once in 18 months ; but if any appearance of rust be observed in the muzzles at the quarterly inspections, such barrels should be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer. The services of the non-commissioned officers of the regular establishment of reserve battalions may be utilised for the performance of this work. These reserve arms will also be periodically inspected by viewers detailed by the Chief Inspector of Small Arms in the same manner as those in use by the reserve battalions (*also see* paragraph 394).

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Equip.
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172. The annual allowance of materials for cleaning and oiling arms, and for their preservation, whilst kept in store at dépôts for issue to army reserve, will be as follows :—

Composition, preserving arms (or a mixture of 95 per cent. mineral jelly and 5 per cent. beeswax) lbs.	16	} For every 1,000 stand of arms.
Oil, petroleum, Russian, lubricating galls.	1½	
Flannelette, Mark III yards	38	
Sheeting, old.... lbs.	10	

The "composition, preserving arms" should be diluted with oil, petroleum, Russian, lubricating (one part of composition to two parts of oil), and applied to the insides of barrels, and to the flannel portion of the armoury plugs. Oil, petroleum, Russian, lubricating, alone, will be used for the working parts of the action, and for the exterior of the barrels.

173. An allowance of composition, brown leather, at the rate of—

1½ lbs. per 100 sets per annum for Royal Horse and Field Artillery ;	A.O. 195 1906
3 lbs. per 100 sets per annum for other units,	

will be made for the preservation of brown leather accoutrements stored for reservists. An application of the composition once a year will, in ordinary circumstances, be found sufficient. The composition should be applied as directed in paragraph 412. Soap should not be used for this purpose.

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7670

SECTION VI.—MACHINE GUNS.

174. Machine guns—

- (i.) Will be issued to stations at home and abroad to form part of the armament available for general or local defence. In cases where these guns would be liable to deterioration if left mounted, they should be kept in their chests in store, ready for immediate use.
- (ii.) Will be issued to regiments of cavalry, machine gun sections of mounted infantry, and battalions of infantry, who will account for them in the regimental equipment ledgers. On relief, they will be handed over by the outgoing to the incoming unit, issue and receipt vouchers being passed in the usual manner.

175. Gun chests will be retained only when required for the storage of—

- (i.) Armament guns kept “boxed” under paragraph 174(i).
- (ii.) Guns held by or for units as mobilization equipment, and not used during peace.

Chests retained during peace under (ii) will be returned to store when the guns are taken into use on mobilization.

176. Maxim machine guns in possession of regiments of cavalry, sections of mounted infantry, and infantry battalions, as part of their regimental equipment, will be provided with four barrels, viz. :—

- (i.) One in use, serviceable, to be returned to store on mobilization.
- (ii.) One old, or unserviceable marked “D.P.” for drill purposes, or blank firing only, to be returned to store on mobilization.*
- (iii.) One new, spare, in regimental charge, to be taken into use on mobilization.
- (iv.) One new, spare, to be held in mobilization store, to accompany the unit as the spare barrel on mobilization.

177. To ensure that machine guns are kept in readiness for immediate service, they will be examined at least once a month (except boxed machine guns, which should be examined quarterly) by a competent armourer or armament artificer who has been through a course of machine guns at Enfield Lock, and any repairs necessary which can be done locally, will be carried out. Should there be no armourer or qualified armament artificer at the station, the service will be carried out under arrangements to be made by the General Officer Commanding. An examination will be made after every occasion on which practice is carried out, and before the guns are replaced in their cases.

* These will be supplied as they become available.

178. To facilitate the examination, &c., each armourer and armament-artificer will be supplied with 3 dummy cartridges for each nature of gun under his charge.

179. When officers commanding units of cavalry, garrison artillery, and infantry, and sections of mounted infantry, in possession of machine guns of .303-inch calibre, find that the shooting of any gun falls off, and that the barrel appears worn, a diagram of 10 shots will be taken at 500 yards (three shots being first fired as trial shots in order to give the barrel a chance of settling down); and if the figure of merit exceeds 1.50 feet for 500 yards, they will at once have the gun stripped by an armourer or qualified armament artificer, and the doubtful barrel replaced by a new one.

180. When any part, other than a spare part, of a gun mounting (cone, parapet, infantry, or tripod) becomes unserviceable, the part should, if possible, be replaced by one of local manufacture. In fitting the part to the mounting the latter should not be altered.

181. At home stations, when a machine gun or mounting requires more repair than can be carried out locally, or a barrel has been withdrawn under paragraph 179, it will be sent in the case of the gun and barrel, cone, and parapet mountings, by the most economical route, either direct, or through the Deputy Director of Ordnance Stores, Woolwich Arsenal, to the Chief Inspector of Small Arms, Enfield Lock, and in the case of machine gun infantry carriages or tripods, to the Deputy Director of Ordnance Stores, Woolwich Arsenal, for necessary repairs to be carried out.

The arrangements for despatch will be made by the chief ordnance officer, to whom all applications will be addressed.

Vouchers will be passed to the Deputy Director of Ordnance Stores, Woolwich Arsenal, under all circumstances, notifying when and by what route the guns, mountings, &c., have been sent.

If the guns, &c., are required again after repair, indents for their return will be forwarded to the Deputy Director of Ordnance Stores, Woolwich Arsenal (through the local chief ordnance officer). In all cases a note should be made on the issue voucher, showing whether the stores are, or are not, required to be re-issued.

182. If found to be necessary, a viewer can be sent to examine guns at home stations, on application being made to the Chief Inspector of Small Arms, through the chief ordnance officer concerned.

183. A memorandum of examination, or history sheet, will accompany each gun, when issued for service. It will be carefully preserved, and will be handed over with the gun to which it relates, whenever the latter is transferred from the charge of one officer to that of another. An immediate record will be made thereon of any accident which may occur to the gun, and the result of each official examination which it may undergo. On every occasion on which the gun is fired, the number of rounds will be inserted.

184. When practice with armament machine guns is carried out from works on sea fronts, a No. 2 or 3 target taken from a set of high speed targets, rigged up with a cross frame and webbing, and moored similarly to a floating target will be used. For practice on land, the artillery 6 feet fir target will be used.

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185. Spare parts and tools are issued (in a box) with each gun. The parts issued with the gun should be used until actually unserviceable, when the spare articles should be taken into use, and the unserviceable returned to store, demands being at once put forward to replace them.

186. Materials for cleaning and oiling machine guns and their carriages will be supplied in the following proportions:—

		For Maxim gun and mounting, per annum. Peace.	For each machine gun and carriage. War.
57			
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7670	Flannelette, Mark III yds.	11	3
57	Linen or cotton, old lbs.	3 $\frac{1}{2}$ } For guns in 8 } use. 1 }	$\frac{3}{4}$
3	Oil, { mineral burning pts.		$2\frac{1}{4}$
2462	Oil, { petroleum, Russian, lubricating "		$\frac{1}{8}$
77	Turpentine, spirits of "	1 $\frac{1}{2}$ } For guns in store.	...
15	Composition, preserving arms lbs.		
4444			

187. The following will be allowed to each store in which machine guns are kept or dealt with, and will be replaced when necessary:—

Flannel (old blanket is very effective)

1 square yard.

Wick, common†

8 ozs.

Twisted copper wire 1 rod, 42 inches long, of wire 0.1 inch diameter, in a double twist.

188. One "screen, artillery, manœuvre" will be supplied on demand to each regiment of cavalry or battalion of infantry. This screen will be accounted for in the equipment ledger of the unit.

SECTION VII.—AMMUNITION.

A.—SERVICE SMALL-ARM AMMUNITION.

189. Service small-arm ball ammunition will be supplied in time of peace at the rates laid down for the various services in Part 2 of the Equipment Regulations, and should always be in possession of the troops, except when returned into store as directed in paragraphs 59 and 63.

† Army Service Corps supply.

190. On mobilization the quantities will be increased by the addition of those laid down as the regimental reserve for war. The latter quantities will be held with their mobilization equipment, but in the case of units not provided with this equipment the ammunition will be taken from the reserves held on Army Ordnance Department charge in the district in which the unit mobilizes, issued to it at the place of mobilization, and taken to the war station. If, however, the war station is in the district in which the unit mobilizes, this issue of ammunition may be arranged for at such station as the General Officer Commanding may direct.

The place of storage in peace, and any detailed arrangements for supply to the troops on mobilization, will be laid down in the local mobilization orders and defence schemes.

All units will be kept informed in peace of these arrangements so far as they are concerned.

191. In cases of emergency the ordinary supply of service ammunition can be increased to such additional quantity as the General Officer Commanding may consider necessary.

192. All service ammunition that is not in actual use will be kept in the regimental magazines in charge of the quartermaster.

193. Extra issues of ammunition remaining unexpended will be returned to the Army Ordnance Department on the termination of the service that necessitated the supply.

194. Application for service ammunition will be made on A.F. G 815.

195. Pistol ammunition will be allowed in accordance with the following scale for officers proceeding on active service :—

Branch of the service to which attached.	Number of rounds per officer.
Cavalry	36
Royal Artillery	24
Royal Engineers (other than railway company) ..	36
Railway Company, R.E.	12
Mounted Infantry	36
Infantry	36
Army Service Corps	24
Army Veterinary Corps	12
Army Ordnance Department.. .. .	12
Other officers (except R.A.M.C.) not specified above	12

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B.—SMALL-ARM AMMUNITION FOR PRACTICE AND EXERCISE.

197. Units may expend annually the following quantities of ball and aiming tube ammunition for each man exercised during the year through the courses prescribed for recruits and trained soldiers.

These allowances are intended to cover requirements for testing rifles in the manner authorised in the Musketry Regulations.

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1908

303-INCH BALL AND AIMING TUBE AMMUNITION.

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		Rounds.			
		For each trained soldier.	For each trained soldier, R. & F. only.	For each recruit (officer or man).	
				Ball.	Aiming tube.
		Ball.	Aiming tube.	Ball.	Aiming tube.
Cavalry	..	250 (a) (b)	10 (a)	200	50 (a) (c)
Artillery, { Horse and Field ..	..	50	..	100	..
{ Garrison—					
{ Home, Gibraltar, Malta,					
{ and all local Coun-					
{ panies of R.A. ..	..	20	25	20	50 (g)
{ Other than those pre-					
{ scribed above ..	..	50	25	20	..
Engineers	..	100	10 (a)	150	50 (a) (c)
Infantry	..	250 (a) (b)	10 (a)	200	50 (a) (c)
Infantry, { Reservists training with					
{ units of the special					
{ reserve	..	55 (e)	..	..	..
{ Reservists, ordinary					
{ training	..	31 (e)	..	..	..
A.O.C... .. .	..	30	25	100	..
A.S.C... .. .	..	30	25 (f)	100	..
Mounted Infantry ..	..	20 (d)	..	..	..
Military Mounted Police,					
Egypt	..	90	..	..	..

(a) At the discretion of commanding officers, aiming tube cartridges may be exchanged for ball ammunition, or ball ammunition in excess of quantities required for carrying out the prescribed musketry courses may be exchanged for aiming tube and blank ammunition—always provided the money value of the ammunition issued in exchange does not exceed that of the ammunition surrendered in lieu.

(b) Any portion not expended by the machine-gun detachment in rifle practice may be fired in the machine-gun in addition to the allowance authorized by para. 216.

(c) May be drawn at dépôts if General Officer Commanding considers it necessary.

(d) In addition to the quantities drawn by men in their own battalions.

(e) Should a reservist fail to reach the standard prescribed in Army Orders additional ammunition will be allowed to admit of the practices being once repeated.

(f) Only for men stationed at headquarter stations of companies and in Egypt and Gibraltar; at other stations ball or blank ammunition of an equivalent money value may be drawn.

(g) To be drawn only for recruits at Royal Garrison Artillery depôts.

199. Subject to any special orders which may from time to time be issued from the War Office, the small arm ammunition to be expended at practice will be taken from that already in possession of troops as service ammunition, and that received from Army Ordnance Department for practice, in the following order :—

(i) The contents of broken boxes, viz., boxes, the tin linings of which have been opened.

(ii) Ammunition rebundled or repacked at stations other than Woolwich.

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(iii) Ammunition examined and rebundled at Woolwich, the original date of which is not known. Boxes containing this ammunition bear the words "EXAMINED (year)" on the labels. This ammunition will be used up in the order of the date of examination.

(iv) Ammunition examined and rebundled at Woolwich, the original date of which is known. Boxes containing this ammunition bear the original date of the ammunition, with the addition of a white label (placed diagonally across the old label), on which are the words "EXAM^d (year) SERV^{ble}." This ammunition will be used up in the order of the date of manufacture.

(v) Remade ammunition.

(vi) Ammunition not specified above, the oldest date of manufacture being used first.

Specimens of the labels used in the cases referred to in subparagraphs iii, iv, v and vi, above, will be found in Appendix XXIII.

Aiming tube ammunition and blank .303" ammunition will be expended at practice in order of the priority of date of manufacture.

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The linings of boxes are not to be disturbed until the ammunition is actually required for use.

199. Every soldier in the first year of his service may fire the proportions of ball and aiming tube ammunition allowed for a recruit, together with those allowed for the trained soldier. If a recruit of infantry or cavalry is put back for further training, the number of rounds already expended by him will not be deducted from the allowance, but will be allowed in addition thereto.

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200. Ball ammunition may be drawn annually at the following rates for officers (other than "recruit" officers) of units specified below :—

Squadron officers of Cavalry			110	} rounds per officer.
Royal Horse and Royal Field Artillery	....	....	50	
Dismounted officers of—				
Royal Garrison Artillery	....	....	20	
Royal Engineers*	....	....	90	
Infantry	....	....	150	
Army Service Corps			30	
Army Ordnance Department			30	

201. In addition to the quantities laid down in paragraphs 198 and 200, an allowance, not exceeding 35 rounds of ball ammunition per annum, may be drawn for each squadron or company officer, and trained soldier of cavalry and infantry, who performs the "marksmen's practices" prescribed by the Musketry Regulations.

202. The following addition will be made to the above-mentioned proportions of ball ammunition :—

(a) For field inspections, to be drawn only on the order of the General Officer Commanding a station or district—

Cavalry regiment	....	....	1,000 rounds
Infantry battalion	....	....	4,000 "

(b) For commanding officer's verification, when necessary, of the accuracy of marking in the annual musketry course (*see* Musketry Regulations)—not exceeding 250 rounds per squadron, battery, company, or similar unit.

(c) For use at command or district rifle meetings :—

54 Gen. No. 399		Number of rounds per officer and man (Regulars and Special Reserve).	Calculated on the effective strength of the Command or District on—
	Aldershot.. ..	5	1st June.
	Other commands at home	3	1st June.
	Commands abroad ..	3	1st January.

This allowance will be drawn by and expended under the orders of the officer in charge of musketry duties or other officer deputed by the General Officer Commanding to undertake the administration of the rifle meeting. It will not be drawn by units.

(d) Eighty rounds may be issued for each officer and non-commissioned officer of the Royal Artillery and Army Service Corps detailed by the General Officer Commanding for attachment to infantry battalions to undergo a course to qualify themselves as instructors in musketry.

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* Mounted subaltern officers may draw this allowance.

In the case of—	The proportion of instructors for whom the allowance may be drawn while under-going the course will be—		
R.H.A. brigades... ..	} 1 officer and 1 non-commissioned officer per brigade.		
R.F.A. „ „ „ „			
R.G.A. heavy brigades ..			
R.G.A. other than heavy brigades... ..			
	The number of officers <i>per station</i> enumerated below.		
	2 officers per station at:—	1 officer per station at:—	
	Gibraltar.	Cork.	Bermuda.
	Golden Hill, I. of W.	Dover.	Cape Town.
	Malta.	Falmouth.	Ceylon.
	Plymouth.	Gosport.	Egypt.
	Portsmouth.	Guernsey.	Hong Kong.
		Jersey.	Jamaica.
		Landguard.	Mauritius.
		Leith.	Sierra Leone.
		Londonderry.	Simonstown, C.C.
		Pembroke Dock.	Singapore.
		Portland.	
		Sandown, I. of W.	
		Shoeburyness.	
		Sheerness.	

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BLANK '303-INCH SMALL-ARM AMMUNITION.

203. Blank small-arm ammunition may be drawn annually for each command upon the basis detailed below.

The allocation of the ammunition to units, and to specific purposes, will be made by the General Officer Commanding, indents will be submitted by commanding officers on Army Form G 804.

These allowances are intended to cover all requirements of blank small-arm ammunition for the command, including funerals, inspections, reviews, field days, and manœuvres, other than manœuvres specially ordered by the Army Council. Blank small-arm ammunition will not be expended as a charge against the training grant.

	Per warrant officer, non-commissioned officer and man on the strength at the beginning of the musketry year.							
	Aldershot Command.		Southern, Eastern, Irish and South African Commands.		Other Commands at Home, and Egypt.		Other Foreign Stations.	
	Mk. V.	Mk. VI.	Mk. V.	Mk. VI.	Mk. V.	Mk. VI.	Mk. V.	Mk. VI.
Cavalry	40	40	40	40	25	20	..	..
Infantry and Mounted Infantry	90	60	60	40	40	25	30	20
Infantry and Mounted Infantry Schools. Additional for men under training	80	..	80	..	50	..	50	..
Royal Engineers	10	..	10	..	10	..	10	..
Royal Horse, Field and Garrison Artillery	5	..	5	..	5	..	5	..
Army Service Corps	5	..	5	..	5	..	5	..
Army Ordnance Corps	5	..	5	..	5	..	5	..

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With a view to meeting the varying requirements that may arise during the progress of manœuvres General Officers Commanding may authorise the issue of such additional quantities of blank small arm ammunition as may be deemed advisable provided :—

- (a) The additional quantity issued does not exceed 50 per cent. of the total quantity allowed for the command under the terms of the above table.
- (b) It is clearly understood that this power to authorise *issues in excess of the scale* does not confer any power to authorise *expenditure in excess* of that scale.

204. The following additions will be made to the above-mentioned in the proportions of blank ammunition :—

For training remounts :—

Royal Horse and Royal Field Artillery—10 rounds per remount, to be drawn by batteries when required.

Royal Engineers—400 rounds to be drawn by the field dépôt.

Army Service Corps—1,780 rounds to be drawn by station staff as follows :—Aldershot, 540 rounds ; Manchester, 480 rounds ; Woolwich, 480 rounds ; Curragh, 140 rounds ; Dublin, 140 rounds.

205. The following scale of ammunition will be allowed annually :

- (a) For the training requirements of the cavalry school, Netheravon :—

Cartridges, small- arm	{	blank	{	303-inch ... 30,000
		pistol, Webley		8,000
		ball, pistol, Webley...		2,000

- (b) For training of young horses at the Royal Artillery Riding Establishment, Woolwich :—

Cartridges, small-arm, blank, M.H.	...	1,000
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206. The following scale of ammunition for practice with pistols will be allowed annually for each regular officer, warrant officer, non-commissioned officer and man serving with the regular forces or the special reserve, who is armed with a pistol in time of war :—

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Corps.	Pistol.		
	Ball.		Blank every year.
	First year.	Subsequent years.	
Cavalry	100	75	20
Royal Artillery (Horse, Field and Heavy) *	100	75	10
Royal Garrison Artillery	100	50	10
Royal Engineers			
Infantry			
Army Service Corps			
Army Veterinary Corps *	100	50	10
Military Mounted Police	100	50	—
Army Ordnance Department	100	50	10

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207. Commanding officers are authorized, subject to the approval of the General Officer Commanding, to draw on repayment for each officer to use with his own pistol, 36 rounds of pistol ammunition

* Officers only.

annually, should the state of the store admit of such issues being made. Under similar circumstances a further quantity may be obtained for the use of non-commissioned officers or men, not exceeding for infantry battalions 72 rounds, and for cavalry regiments 36 rounds per pistol on charge. The value of these supplies issued on repayment will be recovered as directed in paragraph 29.

208. The General Officer Commanding is authorized to sanction the issue on repayment of ammunition for matches, not exceeding 130 rounds for each competitor per annum; the issue of pistol ammunition being limited to those who, on service, would be armed with the revolver. The value of the ammunition will be recovered in the manner prescribed by paragraph 29.

209. Units joining the Army Rifle Association may obtain .303-inch ammunition on repayment at half vocabulary rates provided that the quantity so purchased by any one unit does not exceed 7 rounds per annum per rifle or carbine on charge. The allowance may also be drawn for men borne on the establishment of schools of instruction, provided the "school" joins the Army Rifle Association. Infantry dépôts joining the Army Rifle Association may, however, draw up to 1,000 rounds per annum at half vocabulary rates, on account of each line battalion that belongs to the regimental district.

210. Aiming tube cartridges required for private practice may be drawn from the Army Ordnance Department on repayment, by quarterly indents. (See also paragraph 198.)

211. Officers, non-commissioned officers and men to whom rifles or carbines are not issued as part of their equipment, when required to go through a course of musketry practice will do so with the arms of the unit to which they are attached.

212. Indents for practice and exercise ammunition will be made on A.F. G 815, and should be sent to the chief ordnance officer in sufficient time to admit of the issue being made for the annual musketry practice laid down in the Musketry Regulations. The quantities to be demanded in each year will be based on the number of men in or attached to a unit who it is anticipated will commence the annual musketry courses laid down in the Musketry Regulations.

213. The indent will be made, although at the time the unit may be under orders to leave the district, see paragraph 214.

214. In the event of no issue of ammunition having been made prior to the unit leaving the station, the chief ordnance officer will, on the application of the commanding officer, return the indent with a certificate thereon that no supply has been made upon it; he will also add a memorandum stating the quantity, if any, of service and other ammunition given into store (see paragraph 63). When the indent has been in part complied with, the ordnance officer will furnish the commanding officer with a balance certificate on A.F. G 802 showing the amount remaining due to the corps.

214A. The expense voucher by which ammunition is struck off charge must refer to the circumstances and authority under which the expenditure took place.

The quantities written off as expended must accord with the expenditure recorded in the unit's musketry return and its diaries (EQ. R. 2220)

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of ammunition expended—Army Books 99 and 100. These books must be produced for audit when required.

215. Any of the annual supply of ammunition which has not been drawn by the end of the musketry year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account for the following year. The musketry year at home stations will commence on 1st January; at stations abroad these dates will be varied as required. Permanent dates to meet climatic conditions must, however, be fixed for each command, and notified to War Office.

C.—MACHINE GUN AMMUNITION.

216. The annual proportions of ammunition for practice and exercises will be as detailed in the table below. Any portion of the annual allowance of ball ammunition authorised by paragraph 198 and not expended by the machine gun detachment in rifle practice, may be fired in the machine gun in addition to the quantities prescribed below :—

		Cartridges, machine gun.	
		Ball, for practice.	Blank.
(1) For each unit of cavalry, mounted infantry, and infantry having machine guns actually in possession, not forming part of the armament of a station.	Cavalry and mounted infantry	1,100	1,000
	Infantry	1,700	1,000
(2) <i>At Stations Abroad.</i> —For each gun on infantry carriage forming part of the approved armament, but actually in possession of an infantry unit		1,700†	1,000†
(3) <i>For all Stations (Home and Abroad).</i> —For each gun actually in possession forming part of the approved armament, and for which practice ammunition has not been drawn under paragraph (2)		366*†	50*

* To be expended under the orders of the General Officer Commanding in training the troops at the station.

† In addition to the allowance granted per battalion for use with guns on regimental equipment ledger charge.

‡ One complete box per three guns, to be taken from the ammunition of oldest date in charge as equipment of the guns.

D.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

217. The proportion of gun ammunition for practice and exercise of the Royal Artillery, and instructions relating thereto, will be found in Part 2, Artillery Details.

E.—BLANK GUN AMMUNITION FOR REVIEWS, FIELD DAYS, SALUTES AND MANŒUVRES.

218. The undermentioned quantities of blank gun ammunition for the use of the Royal Horse, Field and Heavy Artillery may be supplied annually to commands, for use at reviews, field days, salutes and manœuvres. The allocation of the ammunition to units and to specific purposes will be made by the General Officer Commanding; indents will be submitted by commanding officers on A.F. G 804.

These issues may be made independently of the annual allowance of gun ammunition authorised in the Royal Artillery Sections of Part 2.

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Commands and districts.	Total number of rounds.
Aldershot	11,000
Eastern	4,000
Egypt.. .. .	300
Irish	6,000
London District	270
Northern	1,000
Scottish	500
Southern	6,000
South Africa.. .. .	2,000
Western	300

219. An allowance of blank ammunition, not exceeding twenty rounds per piece annually, will also be allowed for all guns and howitzers in the movable armament and armament for the defence of land fronts (except such as are in possession of the Territorial Force), for reviews, field days, &c.

220. Any ammunition expended at inspections, reviews, salutes, field days, or manœuvres, in excess of the quantities detailed in paragraph 218 may be taken from that included in the annual allowance for exercise. Ammunition will not be expended as a charge against the training grant, nor, unless special instructions to that effect are received from the War Office, will expenditure of ammunition in excess of authorised allowances, to be met by a corresponding saving under the training grant, be incurred.

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F.—CONVEYANCE OF AMMUNITION.

221. Neither gunpowder nor ammunition of any kind will be forwarded by, or to, any unit or ordnance depôt until the officer forwarding the same is satisfied that the consignee is ready to receive it.

222. Whenever ammunition is conveyed in military wagons or carts, the loading will be performed by the troops, who will be held responsible for its correctness, as well as for the condition and suitability of the transport.

223. When military transport is required by the Army Ordnance Department, the ordnance officer will apply for it to the officer commanding Army Service Corps, stating the nature and weight of the ammunition to be conveyed, and specifying, when transit by rail is necessary, the particular hour by which such ammunition must be delivered at the railway station. The officer commanding Army Service Corps will then notify to the ordnance officer at what hour the wagons will call at the ordnance depôt for such ammunition.

224. The consignee will arrange in like manner with the officer commanding Army Service Corps at the station for the transport of the ammunition (after its arrival at the railway station) to its destination.

225. When horses only are required from the troops the application will state the number of wagons to go, the weight of ammunition to be conveyed, and the time the convoy should reach its destination. The officer commanding Army Service Corps

(Eq. R. 2220)

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will then send such horses as he may consider necessary, informing the ordnance officer when he may expect them at the dépôt.

226. An officer or subordinate of the Army Ordnance Department will be in attendance at the dépôt, at the time appointed, to hand over the packages, convoy notes, and any wadmiltits or other coverings that may be required, to the officer commanding the party, unless a conductor of the Army Ordnance Corps is appointed to accompany the convoy. When a conductor is employed, he will be responsible for the ammunition, wadmiltits, or other coverings, and will retain the convoy notes. Convoy notes will be dealt with as laid down in paragraph 71.

227. A receipt will be given by the officer in command of the party for any coverings supplied to him, and he will return them into store when no longer required.

228. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the commanding officer for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted.

229. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination.

230. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have matches in their possession.

231. When ammunition is consigned to the troops, the officer who is the consignee will give to the conductor a receipt on the duplicate convoy note, and will be furnished by the conductor with the triplicate copy, which he will retain.

232. Should it be necessary to hire wagons for the conveyance of ammunition when consigned to the troops, the arrangements will be made by the Army Service Corps, on the application of the commanding officer.

233. In the conveyance of small quantities of small-arm ammunition by rail in the United Kingdom, to expedite issues to corps, and also to obviate the expense of the employment of powder vans, iron cylinders adapted for containing half and quarter barrels will be used. These cylinders will not, however, be required when the cartridges are packed in small-arm ammunition boxes.

234. Commanding officers and others will, immediately on receiving these cylinders, empty and return them, with the spanners and bags supplied with them, to the ordnance officer at the station from which they were sent, using the same mode of conveyance as that by which they arrived.

SECTION VIII. — HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

235. A set of saddlery will be supplied free for the use of all officers provided with public horses under the Allowance Regulations. Lamb skins or leopard skins will also be supplied to officers of units detailed in Tables 1 and 2, Appendix XI, but without any edgings or facings, it being left to the officers to make

regimental arrangements for fitting the same. The following allowances will be drawn for this service from the district accountant:—

2s. 3d. for an officer of a mounted unit (the work being done by the regimental saddler).

3s. 6d. for an officer of a dismounted unit.

Payments will be charged against Vote 8, Equipment Stores, Harness and Saddlery.

236. All saddlery supplied free from store will remain public property, and be held on equipment ledger charge of the unit to which the officer belongs. It will not be transferred with officers from one unit to another, except in cases where it has been found necessary to supply special sizes of saddles for officers of exceptional physique. In such cases the special saddlery should always accompany the officers on transfer, the usual receipt and issue vouchers being passed between the units concerned.

237. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the Army Ordnance Department, by officers commanding mounted units and returned to store on arrival at their destination.

238. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation, for this purpose three "brushes, sash, tool, No. 2" and three pounds of black paint per hundred sacks may be demanded.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner:—Detach numnah and stirrup irons. Fold numnah in four, and place it in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete inside saddle together with, in the case of R.A. and A.S. Corps saddlery, traces. Place saddie blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

239. Stable necessities, including nose bags, corn sacks, and corn bags, will be supplied on demand for all mounted services, for horses which are public property, in the proportions laid down in the several sections of Equipment Regulations, Part 2. For hired horses, when employed on the public service, there may be issued 1 horse brush and 1 curry comb for every two horses, and 1 horse-rubber, 1 nose bag, and 1 sponge for each horse.

A portion of horse brushes may, at the discretion of commanding officers, be commuted for dandy brushes. For commutation purposes five dandy brushes will be regarded as the equivalent of two horse brushes.

240. The stable necessities which are supplied annually need not, when unserviceable and replaced by fresh issues, be returned to store.

241. In the event of stable necessities becoming unserviceable before the expiration of the period of duration prescribed for them they must be replaced at the expense of the troops.

(Eq. R. 2220)

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242. Saddle pannels are, as a rule, issued stuffed, but should it be advisable at any time to issue empty cases, they will be converted into pannels by the regimental artificers without charge, and the following proportions of materials will be supplied for stuffing each pair :—

Harness, luggage, hair, horse, saddlery lbs. ozs.
2 0

243. The following proportions of hair and flock, in addition to the ordinary annual proportions given in Appendix X will be issued with each pair of stuffed pannels, if demanded :—

With each pair of new pannels, luggage $\frac{1}{2}$ lb. of horse hair.

With each pair of pannels, officers, universal } $\frac{1}{2}$ lb. of flock.
and yeomanry pattern }

244. One quarter of an ounce of quilting twine will be allowed for each pair of cases. No issues under one ounce will be made; the regimental supply will be made use of when smaller quantities are required.

245. Equitation articles will be supplied to the mounted services in the proportions shown in the several sections of Equipment Regulations, Part 2, and will be accounted for in the same manner as other equipment. A detail of a set is shown in Appendix XI.

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SECTION IX.—HORSESHOES.

FOR MOUNTED SERVICES AT HOME AND ABROAD EXCEPTING INDIA.

246. Shoes and nails in assorted sizes, as detailed below, will be issued by chief ordnance officers on the indents of commanding officers.

Proportions of the various sizes of Horseshoes issued for Cavalry and Mounted Infantry Cold Shoeing.

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	No. 2 { fore... hind }	5	No. 6	30
	" 3 { fore... hind }	21	" 6	30
	" 4 { fore... hind }	35	" 7	30
	" 5 { fore... hind }	28	" 8	30
	" 6 { fore... hind }	9	" 8	36
	" 7 { fore... hind }	1	" 9	36
	" 8 { fore... hind }	1	" 9	36
	" 2 { fore... hind }	20	" 6	30
	" 3 { fore... hind }	70	" 6	30
	" 4 { fore... hind }	10	" 7	30
				For Cavalry.
				For Mounted Infantry.

Proportions of the various sizes of Horseshoes issued for Royal Artillery and Royal Engineers Cold Shoeing.

Description.		No. per cent.	No. of nail.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	No. 3 { fore } { hind }	5	No. 6	30
	" 4 { fore } { hind }	20	" 7	30
	" 5 { fore } { hind, without calkins } " with calkins †	28 25 3	" 8 " *9 or 8 heel holes " 10 toe "	30
	" 6 { fore } { hind, without calkins } " with calkins †	29 25 4	" 8 " *9 or 8 heel holes " 11 toe "	36
	" 7 { fore } { hind, without calkins } " with calkins †	12 9 3	No. 9 " 9 heel holes ... " 11 toe " ...	36
	" 8 { fore } { hind, without calkins } " with calkins †	6 4 2	" 9 " 9 heel holes ... " 11 toe " ...	36
	" 5 { fore } { hind, without calkins } " with calkins †	21 18 3	" 8 " *9 or 8 heel holes " 10 toe "	30
	" 6 { fore } { hind, without calkins } " with calkins †	33 15 18	" 8 " *9 or 8 heel holes " 11 toe "	36
	" 7 { fore } { hind, without calkins } " with calkins †	31 11 20	" 9 " 9 heel holes ... " 11 toe " ...	36
	" 8 { fore } { hind, without calkins } " with calkins †	15 6 9	" 9 " 9 heel holes ... " 11 toe " ...	36

For Royal Artillery.

For Royal Engineers.

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes and 9 for heel holes.

Officers commanding units of Army Service Corps will demand horseshoes of sizes as required.

247. A spare set of shoes, in addition to those on the horses feet, with a proper complement of nails ready fitted for immediate use, and stamped with the army and squadron, battery, company, or in the case of Royal Engineers, unit, number, will at all times be in possession of each unit for every public horse. 50 per cent. of these shoes in the case of cavalry, Royal Artillery, Royal Engineers, and Army Service Corps, should be hand made, and the remaining 50 per cent. machine made. These spare shoes and nails are to be used every quarter, and replaced by new ones.

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248. In making indents, commanding officers of mounted units will demand—

Shoes.—Not more, at any one time, than the equivalent of three sets of shoes for 50 per cent. of the horses of the strength of the unit.

Nails.—Not more, at any one time, than three sets for each horse on the strength of the unit, plus (as spare), 10 per cent. of the total number of nails demanded as sets.

These numbers are regarded as normally sufficient for three months, and no greater proportion of shoes or nails will be allowed without a certificate from the veterinary officer, countersigned by the commanding officer, explaining the exceptional circumstances which have rendered additional supplies necessary.

249. Shoes, for one-half of the number of horses on the establishment, will be made in the forges of the various units referred to in the preceding paragraph, out of the worn shoes removed from the horses, and any iron that may be required in addition will be supplied by the Army Ordnance Department, on indent from the veterinary officer, countersigned by the commanding officer.

250. When units march from one station to another, one fore shoe, (with nails) will be carried on each horse, and in the case of horses with brittle feet one hind shoe (with nails) in addition. Commanding officers will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient, any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance depôt at the station, hand them over to the incoming unit, in either case obtaining a receipt. The shoes removed from the horses feet on the march will be returned to store should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through an Army Ordnance Department station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store or handed over may be drawn, one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken, the balance being returned to store or handed over to the incoming unit if there is no ordnance depôt at the station, and others drawn in lieu as directed above.

Should the station to which a unit is moved have no ordnance depôt, special arrangements for the supply of shoes and nails from the nearest ordnance depôt will have to be made.

251. Horses supplied free to officers entitled to them under the Allowance Regulations, and used solely for military purposes will be shod at the public expense.

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1903

252. All horses, the property of the public, for which a hiring charge is paid by officers under the provisions of the Allowance Regulations, and all horses the private property of officers, must be shod at the officers' expense. If the shoeing is performed in an

army farriery, and public shoes are employed, a charge of two shillings per set will be made against the officer concerned.

Monthly returns will be rendered by farriers to their commanding officers showing the number of officers' horses shod with public shoes under the provisions of this paragraph, in order that the necessary credit may be given in the accounts of the district accountant.

The term "set of shoes" includes the necessary nails.

Shoes and nails will not be supplied from public sources on payment for officers' horses not shod in an army farriery.

253. Forge and shoeing tools for peace (except the barrack fixtures provided by the Royal Engineers) will be drawn from the Army Ordnance Department and held on equipment ledger charge.

"Chest, tool, filled, No. 7" (or chests, tool, filled, farriers and shoeing smiths), the detailed contents of which are given in Appendix V, contains one set of forge and one set of shoeing tools. The proportions in which the chests will be supplied are as follows:—

Regiment of cavalry	...	...	...	6
Telegraph company R.E.	...	...	...	1
Field troop R.E.	...	...	...	1
Field company R.E.	...	...	...	1
Search light company R.E.	...	...	...	1
Balloon school	...	...	...	1
Training dépôt, R.E.	...	...	...	1
Battalion of mounted infantry	...	...	...	4
Company of Army Service Corps	...	...	...	1

Additional sets of shoeing tools will be supplied to make the total number on charge equal to, in the case of—

Regiments of cavalry—

1 per farrier serjeant, corporal shoeing smith and shoeing smith, and one spare set per squadron for instructional purposes, this set to include two aprons, basil.

Batteries of Royal Horse and Royal Field Artillery and Adjutants Detachment, School of Gunnery—

1 per farrier serjeant and shoeing smith, also one spare set per unit and one apron, basil, for each man undergoing instruction.

Battalion of mounted infantry—

1 per farrier serjeant and shoeing smith, and one spare set per company for instructional purposes, this set to include two aprons, basil.

Army Service Corps—

Service company ... 4 sets.

Depôt company ... 6 "

Royal Engineers—

Training dépôt ... 4 "

Field troop	...	A spare set of tools for instructional purposes, &c., each set to consist of:—	
" company	...		
Telegraph company	...		
Search light company	...		
Balloon School	...		
Training dépôt	...		
		Buffers, farriers	2
		Hammers, farriers shoeing	2
		" " sledge	1
		Knives, farriers drawing	2
		" " searching	1

Worn out rasps may be retained for steeling horse shoes.

A.O. 212

1

A.O. 77

1907

A.O. 114

1907

54

Engrs.

881

A.O. 194

1907

54

Engrs.

881

A.O. 114

1907

254. For war, forge and shoeing tools will be supplied as follows :—

All units, except those mentioned below† ...	{	A set of tools as detailed on page 167, Appendix V, for each farrier on the ware establishment.
Divisional Telegraph company R.E. ...		1 set of tools as detailed on page 167, Appendix V.
Wireless Telegraph company R.E. ...		
Infantry battalion ...		

A.O. 77
1907

Army Service Corps company with transport and supply column ...	{	A set of tools as detailed on page 168, Appendix V, except that the headquarters company of a divisional transport and supply column will receive two sets.
Army Service Corps company in South Africa ...		2 sets of tools as detailed on page 168, Appendix V.

A.O. 194
1907

† A Field company R.E. will have three sets in addition.

A.O. 212
1908

255. Pincers, horncutting, for use by farriers will be stored with mobilization equipments at the rate of 1 per every 100 horses included in the war establishment.

256. For the convenience of farriers, shoes or nails can be obtained separately in sizes ; but, unless specifically demanded, nails will be issued with shoes in the proportions shown in the following table. Each box of shoes of one size will be packed with the due proportion of nails appropriate to that size of shoe.

Table of Nails for Horse, Mule, and Pony Shoes.

Description of shoes.		Nails required for the several shoes.		Remarks.		
		Designation number.	No. per set of shoes.			
<i>Horse Shoes.</i>						
No. 1	{ fore	3 or 4*	30			
	{ hind					
" 2	{ fore	6				
	{ hind					
" 3	{ fore	6				
	{ hind					
" 4	{ fore	7				
	{ hind					
	{ fore	8				
" 5	{ without calkins					
	{ hind { with " †	{ 9 or 8 heel holes* 10 toe " }				
	{ with " †					
	{ fore	8				
" 6	{ without calkins					
	{ hind { with " †	{ 9 or 8 heel holes* 11 toe " }				
	{ with " †					
" 7	{ fore	9	36			
	{ without calkins					
" 7	{ hind { with " †	{ 9 heel holes 11 toe " }				
	{ with " †					
" 8	{ fore	9				
	{ without calkins					
" 8	{ hind { with " †	{ 9 heel holes 11 toe " }				
	{ with " †					

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes, and 9 for heel holes.

Table of Nails for Horse, Mule, and Pony Shoes—*continued.*

Description of shoes.		Nails required for the several shoes.		Remarks.	
		Designation number.	No. per set of shoes.		
<i>Horse Shoes.</i>					
No. 9	{ fore		12†	}	40
		without calkins	10‡ heel holes		
	{ hind	with „ †	13‡ toe holes		
		fore	... ..			12†
„ 10	{ fore	... ..	12†		
		without calkins	12‡ heel holes		
	{ hind	with „ †	13‡ toe holes		
		<i>Mule Shoes.</i>			
„ 11	{ (also for donkeys)		{ 4 or 3*	}	30
„ 12		... ..	{ 5 or 4*		
„ 13		... ..	{ 6 or 5*		
„ 14		... ..	{ 6		
„ 15		7	}	40	
„ 16	... ..	7 or 8			
<i>Pony Shoes.</i>					
„ 21	{ fore		{ 4 or 2*	}	30
	{ hind	... ..			

* According to brand of nail used.

† For each pair of hind shoes with calkins, 9 nails are allowed for toe holes and 9 for heel holes.

‡ Capewell or “Star.”

Infantry Regimental Transport.

257. Horseshoes will be issued on demand, in sizes as required, at the rate of one set per month for each animal borne on the establishment of regimental transport in battalions of infantry together with the proportion of nails specified in the preceding table. All the worn-out shoes will be returned to the Army Ordnance Department.

Military Mounted Police.

258. The military mounted police will draw machine-made shoes for the whole of the horses on their establishment, in such quantities as may be required, all worn-out shoes being returned to Army Ordnance Department for disposal. At stations other than Aldershot no forge or shoeing tools will be specially issued, and horses will be shod by the farrier serjeant of the corps to which the horses are attached. At Aldershot, one “Chest, tool, filled, No. 7” (or a chest, tool, filled, farriers and shoeing smiths), may be drawn for the farrier quartermaster-serjeant attached to the staff.

The proportions of the various sizes of horseshoes to be drawn as follows :—

Description.		No. per cent.	No. of nails.	Total of nails per set of 4 shoes.
Shoes, horse, pairs	... { No. 5 { fore hind } }	50	No. 8	30
	... { „ 6 { fore hind } }	50	„ 8	36

Mounted Infantry.

259. Mounted infantry when employed as such, will draw the full complement of machine-made shoes, viz., 1 set per month per horse. All worn-out shoes will be returned to the Army Ordnance Department.

Frost Nails.

260. On the 1st September in each year indents will be put forward by officers commanding mounted units at home (Jersey and Guernsey excepted) for frost nails in the following proportions :—

	No. of nails per horse.
Cavalry	40
Royal Artillery (horse and field batteries)	40
Royal Engineers	40
Infantry (regimental transport)	60
Army Service Corps	120
Military mounted police	120

The nails remaining on hand on the 31st March following will be returned to store.

SECTION X.—CAMP EQUIPMENT.

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8
Ord.
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1907

261. The proportions of camp equipment for mounted and dismounted services on manœuvres and in standing camps are contained in Appendix VII. The scale for standing camps will guide issues to troops placed under canvas for any purpose other than manœuvres. At stations abroad C.D.L. (in lieu of C.S.L.) tents may be issued for the use of *European troops* provided :—

- (a) The period of encampment is not to be of very short duration.
- (b) The climatic conditions likely to be encountered during the period of encampment are, in the opinion of the principal medical officer such as to warrant the issue of C.D.L. tents.

8
Ord.
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262. Indents for camp equipment will be prepared on A.F. G 968 by all units or individuals to whom issues of it are authorized by regulations, unless the quantities required are trifling, in which case the general indent form A.F. G 997 may be used.

Indents will be transmitted to the chief ordnance officer of the area in which the encampment is to take place.

Commanding or other officers authorized to indent for camp equipment will take care to ensure that the whole of the information required by the forms is fully detailed upon them, that the quantities of equipment included are in accord with the authorized scales for the number of officers and men to be encamped, and that the indents are transmitted in ample time to allow ordnance officers to arrange for delivery of the equipment by the date desired.

263. Camp equipment, other than that supplied to units as permanent equipment, for instructional purposes will not be brought on charge in equipment ledgers.

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71

All issues for temporary use, other than those made to units for sports and entertainments, which will be regarded as on "temporary loan," will be accounted for on A.F. G 973 by the commanding officer of the unit, or the individual officer to whom the issue is made.

Camp equipment accounts with the whole of their supporting vouchers will, at the termination of the encampment, be transmitted to the chief ordnance officer of the area in which the issues were made, irrespective of the locality of the ordnance dépôt to which the stores may have been returned.

Ammunition received or expended during periods of encampment will not be entered in camp equipment accounts.

264. Charges for deficient camp equipment will be assessed in accordance with the instructions contained in paragraph 100, except that a reduction from full vocabulary rates will only be made upon the certificate of the ordnance officer who made the issue, that the rates charged are the fair or real proportionate value of the articles deficient.

265. When the issue of tentage to supplement barrack accommodation is authorized, tents, and, if necessary, tent bottoms, bedboards, and trestles, will be obtained from the Army Ordnance Department. All barrack stores will be obtained from the officer in charge of barracks.

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266. When the General Officer Commanding finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 5.

267. In all issues for camps of manœuvre or flying columns at home, the General Officer Commanding may, if he thinks fit, reduce the proportions in view of the requirements of the particular service, and the strength of the troops and companies, and so diminish the weights to be transported.

268. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on A.F. G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, or individual officer to whom the equipment has been issued, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in paragraph 91 will be followed.

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Ord.
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71

269. An allowance for the first provision of a camp kit for officers, and for members of the Queen Alexandra's Imperial Military Nursing Service is granted under the conditions laid down in paragraph 674A Allowance Regulations.

The kit will consist of the following articles in addition to three new general service blankets to be obtained free, under regimental arrangements, from barrack expense stores :—

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- 1 portable camp bedstead.
- 1 bag for same.
- 1 pillow.

- 1 waterproof sheet, 7 feet by 4 feet 6 inches.
- 1 tripod washstand, with waterproof basin, bath and bag.
- 1 folding chair.
- 1 waterproof bucket.
- 1 valise or kit bag, to hold above articles, with owner's name painted upon it.

A.O. 17
1907

The kit will be maintained at the expense of the owner.

A sample kit may be seen in the pattern room at the War Office, where the names of firms prepared to supply, and prices may be obtained.

270. Wood bottoms for circular tents for officers and men, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the principal medical officer. They will not be supplied for store, office, or workshop tents.

271. The General Officer Commanding, in authorizing the supply of wood bottoms, will proceed as directed in paragraphs 5 and 7.

272. At encampments where local conditions or circumstances render it impossible, or, in the opinion of the General Officer Commanding, undesirable to dig trenches for latrine purposes, and the dry earth closet system has to be specially resorted to, latrine buckets may be issued in the following proportions to the contractor engaged to remove the soil :—

For officers ... 20 per cent. of number of officers encamped.

For other ranks 10 per cent. of number of other ranks encamped.

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1907

These numbers are regarded as sufficient to meet requirements for both dry earth closets and urinals.

The conditions to be fulfilled by the contractors with regard to collection, disinfection, cleaning, repairing, and redelivering these buckets will be found detailed in the "Special conditions of contract" embodied in a tender form approved by the Army Council, and issued to General Officers Commanding, to govern local contracts in connection with the dry earth closet system in encampments.

273. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers horses, and for such hired horses as may be employed on the public service. For hired horses there will also be supplied blankets, surcingle and pads when required.

274. Mounted units proceeding by route march in the United Kingdom, do not require camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, officers commanding units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manœuvres," but demanding only such articles as are absolutely necessary.

275. To prevent the injury caused by damp and mildew, all tents, blankets, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and

cleaned as far as possible by the troops, before being returned into store.

276. Camp kettles and other articles liable to injury from rust, will also be dried and cleaned by the troops before return to store.

277. When troops under canvas have to march on immediate orders, the chief ordnance officer will confer with the officer commanding the troops as to the steps which should be taken for the drying and cleaning of the camp equipment prior to its being returned into store on the breaking up of the camp.

278. The chief ordnance officer will bring to the notice of the officer commanding the troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

279. Four used circular tents may be supplied to each regiment of cavalry, battalion of infantry, and each regimental district requiring them, for the purpose of instruction in pitching and striking. Batteries of horse, field and heavy artillery, and units of Royal Engineers are allowed two tents; companies of garrison artillery, Army Service Corps, and Army Ordnance Corps, one tent each. Headquarters of companies of Royal Army Medical Corps will be supplied with one circular tent and one marquee each. Unserviceable articles will be utilized. These tents will be brought on charge in the equipment ledgers, and will be dealt with as equipment.

280. To carry out the instructions in "field training" referred to in the "Infantry Training," ten "kettles, camp, oval, twelve quarts," and four "buckets, canvas," may, when required, be drawn from the Army Ordnance Department by each battalion for the use of the company struck off duty. For cavalry, ten "kettles, camp, oval, twelve quarts"; six "axes, pick, $4\frac{1}{2}$ lbs.," and six "shovels G.S." may be issued for each regiment. For the Royal Army Medical Corps each headquarters of companies will be supplied with three "kettles, camp, oval, twelve quarts"; three "axes, pick, $4\frac{1}{2}$ lbs.," one "hook, bill"; one bundle of brushwood pickets; one pair cacolets; one pack saddle complete, eight ambulance stretchers, forty-eight kneecaps, and four "shovels G.S." They will be brought to account in the equipment ledger in the usual manner. On change of station these stores, together with those specified in paragraph 279, will be handed over to the incoming unit.

A.O. 295
1906

For brigades of horse, field, and heavy artillery 9 camp kettles, 6 picks, and 6 shovels, will be drawn and accounted for as the officer commanding the brigade may direct. When batteries are stationed singly a proportionate quantity of these stores only will be drawn and accounted for as directed for other units.

281. The articles detailed below will be issued in addition to the tents and tools authorized to be supplied for instructional purposes by paragraphs 279 and 280.

Cordage	{ white, 3-strand, $\frac{3}{4}$ -in., 4 ft. long				pieces	20
	{ tarred, $1\frac{1}{2}$ -in., 20 ft. long				..	20
Spars, wood, 12 ft.	....	....	....	....	....	6

These articles will be issued on the terms stated in paragraphs 279 and 280.

282. The articles detailed below, sufficient for one squadron, will be issued if required, to each regiment of cavalry for instructional purposes, in addition to the tents allowed by paragraph 279:—

Description of stores.							Number or quantity.
<i>Section No. 2A.</i>							
Mallets, heel peg	..	..	..	..	..	..	13
Pads, surcingle	..	..	..	..	..	..	136
Pegs, picketing, with rope loop	..	..	..	..	..	..	170
Ropes {	head, hemp with ring	..	..	..	..	..	136
	heel	..	..	..	..	..	34
	picketing, 4 ft. 9 ins.	..	..	..	..	..	136
<i>Section No. 5A.</i>							
Bags, corn, 8 lb.	..	..	..	..	..	..	136

SECTION XI.—ARMOURERS, ARTIFICERS, AND WORKSHOP TOOLS.

A.—ARMOURERS AND ARTIFICERS TOOLS.

283. Armourers boxes, with the tools and materials detailed in Appendix IV will be supplied to units and to Army Ordnance Depôts to which armourers are attached.

They will be held—

By units On-equipment ledger charge.

By Army Ordnance

Depôts, On charge in "A-in U" ledgers.

and when worn out by fair wear and tear, or expended in the repair of service arms or cycles, will be replaced at the expense of the public.

284. Should an armourer require for service purposes, tools not included in this set he should as far as possible, make or improvise them locally. Material for such small services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material accompanied by an explanation of the circumstances under which it is required, should be submitted to the Army Ordnance Department.

Should the work in hand necessitate the employment of special tools, which (having regard to the expense involved and the quantity of work to be performed) it is not desirable to make or improvise regimentally, such tools should be obtained on loan from the Army Ordnance Department.

285. Gauges supplied for the use of armourers will be verified by the Army Ordnance Department annually, or oftener if the results of examination of arms indicate such a course to be desirable.

The Army Ordnance Depôts at which reference gauges are held are indicated in Appendix IV.

286. Viewers when examining arms will examine tools of armourers attached to units, and report to the Chief Inspector of Small Arms, who will inform the officer commanding of any required replacements.

287. Instructions for packing armourers tools and spare parts of small arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, or Bermuda.

288. Tools supplied for the use of armourers and artificers in repairing the service arms, equipments, or armaments, or for the general services of the army, are not to be employed for private purposes. Lists of tools for repair of the service equipments or armaments are given in the several sections of Equipment Regulations, Part 2, for Cavalry, Royal Artillery, and Royal Engineers, and of tools for general service in Appendix V.

289. A set of pioneer equipment is issued for each service squadron of cavalry (including household cavalry), and for each company of mounted infantry. The detail of a set is shown in Equipment Regulations, Part 2, Sections IA and II.

A.O. 178
1906

B.—TOOLS FOR MILITARY WORKSHOPS.

290. To encourage the employment of soldiers in trades, sets of tools will be supplied to regiments of cavalry, battalions of infantry, and certain stations of Royal Garrison Artillery, at the public expense, under the special sanction of the General Officer Commanding in each case, and subject to the following conditions:—

A.O. 97
1906

- a. That there are qualified tradesmen to use them.
- b. That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the General Officer Commanding; and on the understanding that the unit so returning them will be charged with the difference between their original cost and their actual value at the time of their receipt into store.
- c. That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.
- d. That articles required to replace any of those issued be demanded on repayment from the Army Ordnance Department, in order to ensure uniformity of pattern.

A.O. 212
1908

	Regiments of Household Cavalry or Cavalry of the line.	Battalions of Infantry.	R.G.A.	Battalions of Mounted Infantry.
Chests, tool, filled—				
No. 1 B.	1	1	—	—
" 3 A.	—	—	2‡	—
" 3 B. sets	1*	1*	—	1*§
" 6 A.	1†	1†	—	—
" 11 D.	1	1	1‡	—
" 12 C.	1	1	—	—
" 12 D.	1	1	—	—

A.O. 295
1906

* A grindstone, F.S., 18-inch, for use with this chest will be separately demanded, charged and accounted for.

† Only when specially ordered.

‡ Per coast defence command at home, or station abroad; but other chests (*vide* tools for military workshops, Appendix V), or increased supplies of above, may under special circumstances be authorized for instruction, on the approval of the War Office.

§ South Africa only.

Lists of the contents of these chests will be found in Appendix V.

291. Commanding officers will direct an inspection of the tools to be made quarterly, and will certify in the ledgers in which they are brought on charge, that this service has been performed.

292. When tools are issued to the Royal Artillery, under paragraph 275, they will be accounted for by the officer commanding the dépôt company ; or, where no dépôt company exists, by the officer commanding a service company to be detailed—

At Home.—By the officer commanding Royal Artillery in the coast defence command.

Abroad.—By the officer commanding Royal Artillery at the station.

293. Tools for trades will not be allowed to regimental districts.

A.O. 97
1906

SECTION XII.—SIGNALLING AND RANGE-FINDING EQUIPMENT.

A.—SIGNALLING EQUIPMENT.

294. Signalling equipment will be demanded on A.F. G 997.

295. Supplies will be made in accordance with the several sections of Equipment Regulations, Part 2. Issues will not be made to regimental districts. A complete set of signalling equipment will be held on station charge at Jamaica, for use in case of necessity.

296. The stores to be drawn for use at the School of Signalling, Aldershot, are detailed in Part 2, Section VIIA.

B.—MEKOMETERS AND TELEMETERS.

297. Mekometers and telemeters will be supplied as shown in the several sections of Equipment Regulations, Part 2. Instructions will be found in Appendix XIX.

SECTION XIII.—PHOTOGRAPHS AND TEXT BOOKS.

298. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Ordnance College, for instructional purposes. See paragraph 13190, List of Changes.

299. Text books, hand books, and range tables will be issued as laid down in Part 2, Artillery Details.

SECTION XIV.—MISCELLANEOUS STORES.

300. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the allowance for miscellaneous stores granted by the Allowance Regulations.

301. Old woollen or old linen material required for cleaning purposes in addition to the free issues in kind authorized by regulation may be obtained by units from the Army Ordnance Department when the quantities required can be spared from local stock. The rates to be charged will be those notified in the half-yearly statements issued by the D.D.O.S. Woolwich Arsenal. The cost of transport must be borne by the purchasing unit.

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Indents will be made quarterly upon the 1st March, 1st June, 1st September, and 1st December.

302. Machines, or hand clippers, for clipping horses, will be provided regimentally (except by infantry battalions), and an allowance of sixpence per horse clipped may be charged once a year in the regimental pay lists. The charge will be supported by a certificate of the commanding officer, showing the number of horses clipped. In South Africa, however, "Clippers, horse," will be allowed in the proportion of one pair for every six horses, with an additional pair for every fifty horses, and the money allowance will not be drawn.

303. "Chests, clothing or school materials" will be issued to the troops in the proportions laid down in Appendix XXII. They may be renewed after 15 years if unserviceable.

304. One "box, schoolmaster's" will be issued to every schoolmaster on appointment. The box may be renewed after 12 years if unserviceable. It will be accounted for by the officer under whom the schoolmaster is serving.

305. The colours, brushes, papers, pencils, cardboard, string, india-rubber, and other articles of stationery required for instruction of cavalry and infantry in field sketching and reconnaissance will be supplied, on receipt of indents from units, on A.F. L 1380.

306. A blackboard and easel complete, for instruction of non-commissioned officers and men of the Royal Army Medical Corps in various technical subjects, will, except to A and B Companies, be issued to the head quarters of the several companies, and to the undermentioned detachments at home and abroad :—

Home.
Gosport.
Shorncliffe.

Abroad.
Pietermaritzburg,
Wynberg, } South Africa.
Cape Town,
Hong Kong.
Gibraltar.
Valetta, } Malta.
Cottonera, }
Alexandria, } Egypt.
Cairo,

307. All lamps and lanterns which burn oil, when first issued by Army Ordnance Department will, except those issued for barrack services; be complete with one foot of wick. The wicks for magazine lanterns and signalling lamps will be issued to the troops by the Army Service Corps on the usual indents.

A.O. 58
1905

308. "Humane" cattle killers (with cases) and 100 cartridges for use with each of the same are issuable in peace, on the scale shown below :—

Stations.				Number of killers allowed.	Stations.				Number of killers allowed.
A.O. 77 1907					cAldershot	6	cLiverpool	1	
					cAthlone	1	London, {	cHyde Park	1
					cBallincollig	1		cMillbank	1
					cBandon	1		cRegent's Park	1
					cBelfast	1		cSt. John's Wood	1
					cBelturbet	1		cLongford	1
					cBirmingham	1	cMalta	1	
					cBradford	1	cManchester	1	
					cBrighton	1	cNewbridge	1	
					cBristol	1	cNewcastle-on-Tyne	1	
					cCahir	1	cNewport, Mon.	1	
					cCanterbury	1	cNorwich	1	
					cChatham	1	cPortland	1	
					cChristchurch	1	cPortsmouth	1	
					cClogheen	1	cPreston	1	
					cClonmel	1	cSalisbury	4	
					cColchester	1	cSheffield	1	
					cCork	1	cShoeburyness	1	
					cCoventry	1	cShorncliffe	2	
					A.O. 77 1909					cCurragh ... ..	4	South Africa—
cDevonport	1	bPretoria	3						
cDorchester	1	bStanderton	2						
cDover	1	bPotchefstroom	3						
aDublin	4	bBloemfontein	2						
cDundalk	1	bHarrismith	1						
cEdinburgh	1	bMiddelburg (Cape Colony)	2						
bEgypt	2	bMiddelburg (Transvaal)	1						
cExeter	1	bBloemfontein (remount depôt, Glen.)	1						
cFermoy	1	bMooi River (remount depôt)	1						
cFethard	1	bCape Town	1						
cGibraltar	1	cStobs	1						
cGlasgow	1	cTrowbridge	1						
cHampton Court	1	cWaterford	1						
cHilsea	1	cWeedon	1						
cHounslow	1	cWindsor	1						
cIpswich	1	aWoolwich	2						
cKildare	1	cYork	1						
cKilkenny	1								
cLeeds	1								
cLimerick	1								

The "Killers" and ammunition will be on charge of and accounted for by the following officers :—

At stations marked :—

- "a" By the principal veterinary officer.
 "b" " senior veterinary officer.
 "c" " veterinary officer attached for duty.

In the veterinary accounts for instruments and medicines rendered to the Director-General, Army Veterinary Service.

In the event of there not being a veterinary officer at any of the stations marked "c," the General Officer Commanding will appoint an officer who renders an equipment or store account to act as custodian and accountant for the killers and ammunition.

309. The following articles may be issued on loan to units for the purpose of carrying out the instruction referred to in paragraphs 834-40 King's Regulations :—

Caps, knee, musketry instruction—6 per ambulance stretcher.

Stretchers, ambulance—As required, but not to exceed 4 per unit.

310. Slings, horse, sea transport for the instruction of troops in slinging horses for embarkation, will be held on charge at military stations or commands as follows :—

The distribution of these slings within their commands will be left to General Officers Commanding.

Stations or commands.						No. of slings.
Aldershot Command	....	....	....	....	....	21
Scottish	..	....	....	....	....	6
London District	....	....	....	....	....	10
Southern Command	....	....	....	....	....	43
Eastern	..	....	....	....	....	20
Northern	..	....	....	....	....	8
Irish	..	....	....	....	....	28
Guernsey	....	....	....	....	....	2
Jersey	....	....	....	....	....	3
South Africa	....	....	....	....	....	21
Mauritius	....	....	....	....	....	6
Sierra Leone	....	....	....	....	....	1
North China	....	....	....	....	....	1
South China	....	....	....	....	....	6
Ceylon						2
Egypt						10
Jamaica						4
Bermuda						2
Malta						3
Gibraltar						2
Straits Settlements						2

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311. Consumable stores for veterinary purposes will, in peace, be issued quarterly, in the proportions given in the following table, on the indent of the veterinary officer in charge of the unit, countersigned by the commanding officer of each unit concerned. The indent will be made on A.F. G 997. It will state the number of animals for which the stores are required, and will show any articles remaining unexpended at the time. These stores will not be accounted for in the equipment ledgers, but will be a final issue from the Army Ordnance Department, and the issue voucher upon which they are charged will be signed by the veterinary officer only. The proportions of rugs, horse, allowed for sick animals will, when required, form part of the equipment of the unit, and be included in the equipment ledger.

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CONSUMABLE STORES FOR VETERINARY PURPOSES.

A.O. 195 1906	3 months' supply.		Per 100 public riding or draught animals.	
			Stations other than South Africa.	South Africa.
57	<i>Section No. 2A.</i>			
Gen. No. 7867	Sacking, jute (30 inches wide for poultices)	yds.	4	6
A.O. 72 1906	<i>Section No. 5A.</i>			
	Rubbers, horse	....	5	5
	Sponges, 7 drachms	....	4*	4*
	<i>Section No. 7.</i>			
	Pins, mixed	 oz.	$\frac{1}{4}$	$\frac{1}{2}$
	<i>Section No. 8A.</i>			
	Twine, packing, small	 oz.	1	2
	<i>Section No. 9A.</i>			
A.O. 97 1906	Corks, assorted	....	6	25
	<i>Section No. 13C.</i>			
	Bandages, horse	....	6	25
	Linen, unbleached (for bandages)	 yds.	3	5
	Tape, linen, $\frac{3}{4}$ -inch, white	 pieces	1*	2*
	Tow { coarse	 lbs.	2	3
		 "	2	3
	<i>Old Stores.</i>			
	Flannel, old (for fomentations)	 lbs.	7 $\frac{1}{2}$	11
	Numnahs, old (for foot swabs)	....	2	3
	NOT IN VOCABULARY.			
	Paper† { brown, common (for packing)	 quires	$\frac{1}{4}$	$\frac{1}{4}$
		 "	$\frac{1}{4}$	$\frac{1}{4}$

* To be drawn at these rates every six months.

† Stationery Office supply.

BICYCLES.

312. Bicycles will be supplied by the Army Ordnance Department, and held on ledger charge of units, &c., in the following proportions :—

(a) *For cyclist orderlies.*

A.O. 295 1906	Headquarters of an army	....	not exceeding	3
	" a division or district	....	"	2
	" a brigade	....	"	1
	" a regiment of cavalry, brigade of artillery, battalion of infantry, and such corresponding units of other arms of the service, on the recommenda- tion of the General Officer Commanding	....	"	1

(b) *To facilitate instruction in scouting, map reading, choice of positions, and tactical exercises generally. Home stations only.*

Regiments of cavalry	....	....	....	....	7
Batteries of royal horse artillery	....	....	....	....	1
Batteries of royal field artillery	....	....	....	....	1
Battalions of infantry	....	....	....	....	4

313. Government bicycles are only to be used on military duty; those issued under paragraph 312 (b) are only to be used for the military training of troops, and are on no account to be utilized for orderly work, or any other purpose whatever. Commanding officers will be responsible for the proper care and preservation of service bicycles by soldiers under their command.

A.O. 295
1906

314. On change of station bicycles will be disposed of as under :—

- (1) Those issued under (a) of paragraph 312 will accompany the unit on change of station, except in the event of the unit proceeding to or from a station abroad, in which case the machines will be returned to the Army Ordnance Department.
- (2) Those issued under (b) will not under any circumstances accompany the unit, but should be either handed over to the incoming unit, or, when this is not possible, be returned to Army Ordnance Department store.

315. Cleaning materials, &c., will be allowed in the proportions laid down in Appendix IX.

Lamp oil and wick will be obtained from the officer in charge of barracks.

Materials for repair of punctures will be supplied, and any necessary repairs executed by the Army Ordnance Department.

316. Annual inspections of service bicycles will be arranged for by the Chief Inspector of Small Arms as laid down in the Regulations for Army Ordnance Services.

SOAP.

317. Soap for the personal use of soldiers will be supplied by the Army Ordnance Department, will be demanded by the piece, and accounted for in the regimental equipment ledger.

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1907

In peace or on mobilization one piece will be supplied to every soldier entitled to a free kit of necessaries under the Clothing Regulations, and will be kept up afterwards at his expense (in peace) as part of his kit.

318. For war, soap will be supplied free to officers, warrant officers, non-commissioned officers and men as required; one 3-oz. piece will be carried by each man.

A.O. 77
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A.O. 194
1907

In cases where bodies of troops are operating independently and an Army Ordnance depôt is not detailed to accompany them, issues as required should be made in bulk, by the Army Ordnance Department to the Army Service Corps supply columns, for distribution to the troops, according to the above scale.

319. Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

320. Soap will also be supplied on payment at the published rates, credit will be given in A. F. P 1963 for the total number of pieces issued on payment.

WAGONS.

321. When driving the undermentioned wagons, otherwise than by long rein, or turning them when in store, footboards will be fastened up to prevent the stays being wrenched away.

Ammunition and store, R.A., Mark II.

G.S. { Marks III. and IV.
 { R.E.

Light, spring, surgery.

MECHANICAL TRANSPORT.

A.O. 235
1906

322. Outfits and consumable material for the care and preservation of mechanical transport vehicles are detailed in Appendices XV and XVI.

SECTION XV.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING.

A.O. 115
1908

323. Tools and stores for the instruction of regular units of cavalry, artillery, engineers, mounted infantry and infantry, in military engineering, will be supplied in the manner and in the proportions detailed below.

(i) TOOLS FOR INSTRUCTION IN FIELD WORKS.

Tools which form part of the peace equipment of units will in all cases be utilized. They will, in the case of the units mentioned in the subjoined table, be supplemented by additional tools to be obtained from the sources therein indicated.

A.O. 115
1908

Units.	Additional tools issuable.	Sources from which additional tools are to be obtained.
Royal Engineers	Railway companies	As considered necessary by General Officer Commanding
	Balloon and search-light companies	Ditto
	Fortress companies Survey companies	As detailed in Appendix VI, Table I
Infantry and mounted infantry battalions	Axes, pick ; hooks, bill ; shovels	In cases in which mobilization equipment is held at the station, by or for the unit, the tools mentioned may be borrowed annually from that equipment as directed in Section I, Part 2.
		In cases in which mobilization equipment is not held at the station, by or for the unit, temporary issues may be made from Army Ordnance Department general stock, or from the approved war reserve held at the station. The proportions issued should not exceed those laid down as the war equipment of battalions in Section I, Part 2. Attention is directed to para. 327.

57
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8858

* Will be included in the next edition of Section X, Part 2, E.B.

Any tools other than those prescribed above which may be needed by infantry battalions for field works would have to be improvised on active service, and should therefore be improvised for instructional purposes in peace.

(ii) STORES FOR BRIDGING, MINING, RAILWAY AND TELEGRAPH PURPOSES.

Details of the sets of stores allowed for these purposes are contained in Appendix VI, Table II.

The number of sets allowed for each command will be as follows :—

	Commands and districts.	Bridging sets.	Railway sets.	Mining sets.	Telegraph sets.
57	Aldershot	4	3	3	1
7655	Southern	4	3	3	1
	Eastern	3	3	3	2
	Irish	6	3	3	1
	Scottish	2	1	1	..
	Northern	2	1	1	..
	Western	2	1	1	..
	London District ..	1	..	..	..
	Guernsey and Alderney District	1	1	1	..
	Jersey District	1	..	..	..
	South Africa	5	3	3	1
	Sierra Leone	1	$\frac{1}{2}$	$\frac{1}{2}$	..
	Bermuda	1	$\frac{1}{2}$	$\frac{1}{2}$	..
	Ceylon	1	$\frac{1}{2}$	$\frac{1}{2}$	..
	Hong Kong	1	1	1	..
	Gibraltar	2	1	..	..
	Malta	1	1	1	..
	Jamaica	1	$\frac{1}{2}$	$\frac{1}{2}$	..
	Mauritius	1	$\frac{1}{2}$	$\frac{1}{2}$	..
	Straits Settlements ..	1	$\frac{1}{2}$	$\frac{1}{2}$	..
57	Egypt	1	1	1	..
Gen. No.	North China	1	..	..	..
8326					

(iii) EXPENDABLE STORES (other than explosives).

Details of the sets of these stores are contained in Appendix VI, Table III.

The proportions in which issues will be made are as follows :—

<i>Royal Engineer units</i> having a strength of less than 40 men.	One-half the set prescribed for a Royal Engineer company.	} Per annum.
<i>Infantry Battalions</i> at home detailed to furnish mounted infantry companies on mobilization.	One infantry battalion set plus one-third of the set allowed for a cavalry regiment.	
<i>Mounted Infantry battalions</i> in South Africa.	One set as prescribed for a cavalry regiment.	
<i>All other units</i>	One set of the description applicable to the unit.	

(iv) EXPLOSIVES.

Details of the sets of these stores are contained in Appendix VI, Table IV. The proportions in which they will be issued are as follows :—

<i>Cavalry regiments</i>	...	{ One cavalry set per regiment.	} Per annum.
<i>Royal Engineer companies.</i>	{ Exceeding a strength of 40 men.	{ One Royal Engineer company set.	
	{ Not exceeding a strength of 40 men.	{ One-half the Royal Engineer company set.	
<i>Infantry battalions</i>	at home detailed to furnish mounted infantry companies on mobilization.	{ One-third a cavalry set.	
<i>Mounted infantry battalions</i>	in South Africa.	{ One set as prescribed for a cavalry regiment.	

324. Spars or other suitable timber for bridging or mining purposes, planks, hutting poles, handrails, sheeting miners, &c., whether for the use of the regular forces, or for the instruction of units of the Special Reserve or the Territorial Force will be provided locally, either by hire or purchase. The annual expenditure in this connection should not exceed the following sums :—

Commands and districts.	Not exceeding per annum. £	Command.	Not exceeding per annum. £
Aldershot	150	Sierra Leone	15
Southern	200	Bermuda	25
Eastern	150	Ceylon	15
Irish	150	Hong Kong	50
Scottish	50	Gibraltar	50
Northern	100	Malta	80
Western	75	Jamaica	25
London District ..	100	Mauritius	25
Guernsey and Alderney		Straits Settlements ..	25
District	15	Egypt	50
Jersey District ..	15	North China	20
South Africa	150		

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Arrangements for the purchase or hire will be made by the chief ordnance officer in consultation with the commanding Royal Engineer. Bills should be classified to Vote 8 E.

325. The timber mentioned in paragraph 324, and the stores for bridging, mining, railway, and telegraph purposes, mentioned in paragraph 323 (ii), will be held on charge by the commanding Royal Engineer. He will make arrangements for instruction to be imparted with the aid of these stores, will allot ground and issue the stores in such manner as the General Officer Commanding may

direct, and will apply for transport for moving the stores from one station, or unit, to another as required. Annual indents in connection with the maintenance of these stores to approved establishments will be transmitted not later than the 1st August, on Army Form G 989, by the commanding Royal Engineer to the chief ordnance officer.

326. Annual indents for the expendable stores allowed by paragraphs 323 (iii) and (iv) will be transmitted by units to the chief ordnance officer not later than the 1st March.

The whole of the stores will, upon receipt, be brought upon equipment ledger charge by the unit. Quantities expended in training will be written off by expense voucher upon the certificate of the commanding officer that the expenditure has actually taken place. Any unexpended balance remaining at the end of the training season will, except in the case of sandbags, be returned to the nearest Army Ordnance Depot. Sandbags may be accumulated up to, but not exceeding treble the quantity allowed as the annual supply. The quantity in hand should be shown on the annual indent submitted to the chief ordnance officer.

327. Stores temporarily issued from local war reserve to units during peace under paragraph 323 (i) should be carefully overhauled immediately upon the conclusion of each season's peace training, and replaced in that reserve, any which have become unserviceable being at once exchanged.

All used articles returned for storage with local war reserves must be thoroughly cleaned by the unit by which they have been used for peace instruction, the cutting edges of tools must be placed in good condition, and all metal articles or metal portions of articles greased with mineral jelly.

Tools forming part of the local war reserve are not on any account to be used for general purposes in peace. Picks and shovels required for general barrack use will be drawn and held on inventory; when required for general use in camp they should be demanded with other camp equipment.

SECTION XVI.—MARKING EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

328. Stamps are supplied to the various services requiring them, for marking arms, accoutrements, harness, and saddlery. The adoption of an unauthorized method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

329. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible corps marks which would render them unfit for re-issue. Should it be found, on such articles being returned into

store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

330. All arms, accoutrements, harness, and saddlery, issued to, or taken into use by troops on mobilization will be marked with as little delay as possible, with corps marks and progressive numbers, in the manner indicated in the Regulations for Mobilization. They will not be marked with a date of issue.

331. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to corps and regimental districts in excess of their regulated strength.

332. Should additional equipment be issued to detachments (see paragraph 98), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03.

333. As a general rule the service of marking the equipments is performed free of charge by the paid regimental artificers, as part of their duty. Money allowances are, however, granted for marking artillery stores connected with armaments; accoutrements and musical instruments in certain cases, and squad bags when first issued. The allowances for marking accoutrements and squad bags cover both labour and the ink or paint required.

334. The paint required for marking baggage (see King's Regulations) may be purchased by commanding officers as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, &c.

(See also Appendix XVII.)

335. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they respectively belong.

336. One gun, one carriage, one slide, and one pile of shot or shells in each battery, will be marked with the date of painting; and, in the event of its being necessary to exchange any guns, or other stores connected therewith, in permanent works, before the next periodical painting takes place, those received will be marked with the date when last painted, so that the record may be accurately kept. The marking will be of the simplest kind, as, for example, "12/03," signifying that the painting was performed in December, 1903.

337. Three halfpence per hour will be allowed for this service, except when such marking is performed by means of stencil plates, in which case no allowance will be sanctioned.

338. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, as also on all carriages forming the equipment of units, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS.

339. All arms except those for mobilization (*see* paragraph 330) bayonets and scabbards and sword bayonets and scabbards are issued to the troops marked with the month and last two figures of the year of issue, thus, 1.00, 3.01, &c. Full instructions as to all other marking will be found in the Regulations for Army Ordnance Services, Part I.

Care should be taken that the marks on the arms are not too deeply stamped.

340. In cases where the services of an armourer are not available for marking the arms, commanding officers, in making indents on the Army Ordnance Department, will state the particulars of the corps marks and numbers that should be placed upon the articles.

341. Stamps for marking swords and sword-scabbards, will be lent to dismounted services by the Army Ordnance Department.

342. Arms issued to replace others will be given the numbers of the articles replaced.

D.—MARKING ACCOUTREMENTS.

343. All accoutrements, except those for mobilization (*see* paragraph 330) and enamelled iron water bottles, will be marked by the Army Ordnance Department before issue with the month and last two figures of the year of issue, beneath the W.D. and broad arrow of the War Department, thus, 2.00, 3.01, &c. When received by the troops, they will be further marked, before being taken into use, to correspond with the arms. Upon return to store of part worn accoutrements, the original marking will be obliterated by the Army Ordnance Department with the letter "W", and on re-issue to the troops such articles will be re-marked with the date of re-issue.

344. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks. Such accoutrements, when returned to store, will be available for re-issue to any service as part-worn articles, and will be then further marked as directed in paragraph 343.

345. Accoutrements will be marked as follows :—

	<i>Mounted units with—</i>	<i>Dismounted units with—</i>
	$\frac{1}{2}$ -inch copper inlaid stamps and marking ink	$\frac{1}{4}$ -inch brass or gun-metal stamps on wood ($\frac{3}{16}$ -inch being used for terminal letters in infantry units), and marking ink.
Buff accoutrements, haversacks, and mess-tin covers		
	<i>Mounted and dismounted units—</i>	
Brown or black accoutrements	$\frac{1}{4}$ -inch steel stamps. Care being taken that the leather is not cut, but merely indented.	

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Enamelled iron water bottles. (Covers only to be marked.)	{	$\frac{1}{2}$ -inch copper inlaid stamps and "Ink, marking, woollens." In centre of that portion of cover not exposed to view when bottle is worn. (Bottles should be worn with buff strip or chain securing cork towards rear).	{	A.O. 212 1908
Mess-tins		$\frac{1}{4}$ -inch steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through.		

Branding accountrements is strictly prohibited.

In all cases when marking black and brown accountrements, the stoutest parts should be chosen. Bandoliers should be marked on the bodies, and the pockets on the back loops.

346. Bandoliers supplied for the use of regimental staff, including armourers, will be marked with the corps abbreviation and a staff number, thus :—1/R.S.— $\frac{S.}{20}$, and will not be transferable between corps.

347. The whistles of infantry will be marked on one side of the acorn with the territorial letters or regimental district number, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of serjeants of Royal Engineers will be marked in the same manner as their arms. For the purpose of marking, the steel stamps for metal in possession of armourers for marking small arms will be employed.

348. Stamps will not be supplied specially to mounted services for marking accountrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

349. The undermentioned allowances are granted for marking accountrements of dismounted units under the conditions stated :—

a. For every 300 intrenching implements and cases s. d.
for shoeing tools 0 9

b. For every 300 articles of equipment detailed below, in the case of corps receiving a new equipment, viz., waist belts, braces, pouches, straps, haversacks, mess-tins and mess-tin covers, carriages drum, frogs sword and sword-bayonet, loops dirk, slings (rifle and carbine), bandoliers, pockets, cartridge (when issued as separate articles), carriers coat web, and carriers water-bottle (when separate from straps shoulder water-bottle) 0 9

c. For the felt coverings of every eight enamelled iron water-bottles (*see* paragraph 345), inclusive of cost of ink 0 2

d. Annually for the purchase of marking ink required for use with the metal stamps. (*See* paragraph 345.)

Battalion						2	0
(EQ. R. 2220)							D

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Regimental dépôt					s. d.
Depôt of Royal Army Medical Corps					1 0
Dismounted dépôt company of Army Service Corps					0 9
Company of Garrison Artillery	....	....	....	....	0 6
District Establishment Artillery	....	....	....	....	
Unit of Royal Engineers (except mounted units)	....	....	....	....	
Company of Army Ordnance Corps	....	....	....	....	

350. These allowances will be charged in the company pay lists, and will be vouched in each case by a certificate showing the number and description of articles marked, the date of their issue, and from what ordnance dépôt they have been issued.

E.—MARKING MUSICAL INSTRUMENTS.

351. Musical instruments will be marked in consecutive numbers, from one upwards in the manner approved for marking arms.

This service will be performed in the following manner:—

- (1) Bugles, drums and trumpets will be marked by armourers with the stamps in possession of units for marking metal articles.

When the services of an armourer are not available with the unit, the marking of these articles will be performed by the Army Ordnance Department prior to issue.

In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

- (2) Piccolos and flutes will invariably be engraved locally, $\frac{1}{2}$ d. per letter or figure being admitted as a charge against public funds.

352. The silent drum for practice will be marked on the cloth, on the under side, with the same stamps as are used for accoutrements.

F.—MARKING HARNESS AND SADDLERY.

353. All new articles of harness and saddlery, except those issued for mobilization purposes (*see* paragraph 330), of $\frac{3}{4}$ -in. or more in width, will be marked by the Army Ordnance Department, before issue to the troops, with the month and last two figures of the year of issue, beneath the W.D. and the broad arrow, thus—2.00, 3.01, &c. Articles that have been in use will, when first re-issued for a further period of wear, be again marked by the Army Ordnance Department, with the month and year of issue as above, and with the letter W showing that they have been in wear before. The date being stamped close under the part worn mark.

354. Harness and saddlery when received by the troops for peace use, will be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers being placed on saddlery vertically under the corps marks; and on harness in the same line with, and following corps or sub-sectional marks, as in the specimens given below.

In every case the head and neck collars will be marked with the number of the horse instead of that of the set.

Royal Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery.
A	A Sub-section.
4	No. 4 set of saddlery.
I	I Battery.
R.H.A.	Royal Horse Artillery.
B. 3	B Sub-section. No. 3 single set of harness.

Royal Field Artillery.

37 R.F.A.	37th Battery, Royal Field Artillery.
O. 1	Officers' No. 1 set of saddlery.
37. R.F.A.	37th Battery, Royal Field Artillery.
B	B Sub-section.
1	No. 1 set of saddlery.
37. R.F.A.	37th Battery, Royal Field Artillery.
B. 3.	B Sub-section. No. 3 single set of harness.

Cavalry.

1. L.G.	1st Life Guards.
A	A Squadron.
2	No. 2 set of saddlery.
5. L.	5th Lancers.
B. 1.	B Squadron. No. 1 single set of harness.

Royal Engineers.

1. T.Co.—R.E.—4	1st Telegraph Company. No. 4 set of harness.
I. T.Co.—R.E.	1st Telegraph Company. No. 4 set of universal saddlery.
4	
1. T.Co.—R.E.	1st Telegraph Company. No. 2 set of officers' saddlery.
O. 2	

Army Service Corps.

10—A.S.C. 4	No. 10 company Army Service Corps. No. 4 single set of harness.
10—A.S.C.	No. 10 company Army Service Corps. No. 4 set of universal saddlery.
4	
10—A.S.C.	No. 10 company Army Service Corps. No. 4 set of officers' saddlery.
O. 4	

355. If, on a transfer of harness or saddlery, any of the sets transferred be found to bear numbers already on the harness or saddlery on charge, the articles will be renumbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

356. The harness and saddlery of each set of regimental transport will be marked before issue, by the Army Ordnance Department according to the principles laid down in paragraph 354.

357. The leather work will be marked with $\frac{3}{16}$ -in. steel stamps, immediately under the Army Ordnance Department mark of month and year of issue.

358. The iron work will be marked with $\frac{1}{8}$ -in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

359. Sheepskins, nosebags, corn-sacks, and corn-bags will be marked with marking ink; saddle-blankets and horse-blankets (veterinary stores) with the "mixture, stamping woollens." "Stamps, copper, inlaid, $\frac{1}{2}$ -inch," will be used, and the marking will be placed immediately under the War Department store mark.

G.—MARKING SQUAD BAGS.

360. Each squad bag will be marked on the outside of the upper flap with the initial letter of the company or squadron, the number or appellation of the battalion or regiment, and the month and year in which the squad bag was first issued from the quartermaster's stores.

The following will exemplify the mode of marking :—

B. 4/D. Gs.	D. 2/Gd. Gds.	A. 1/Mauch.
1/1900.	1/1900.	1/1900.

361. The squad bags will be marked with black paint. The figures and capital letters will be $1\frac{1}{2}$ ins. in length.

362. The sum of fourpence for each squad bag so marked on first issue will be allowed; the amount will be charged in the accounts of the unit, vouched by the usual receipt of the person who executed the work, and certified by the officer commanding.

H.—MARKING REGIMENTAL DEPOT EQUIPMENT.

363. In regimental depôts the arms, accoutrements, except those stored for reservists, musical instruments, and all articles enumerated as forming part of the equipment of a soldier, will be marked with the number of the regimental district to which they belong, followed by the letters R.D. The rifle depôts having no numbers, the equipment remaining on charge at such depôts will receive the territorial letter with the D following.

I.—MARKING VEHICLES.

364. Instructions for marking vehicles are given in Appendix XVII.

SECTION XVII.—REPAIR AND PRESERVATION OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

365. Commanding officers will not allow or pay for the performance of any work connected with equipments or armaments for which there is no regulated provision, without previous authority obtained, at home from the War Office, and at stations abroad from the General, or other officer commanding.

366. Except when otherwise specified in these regulations, the repair and painting of all stores that can be performed by the regimental artificers will be executed by them, under the superintendence of their commanding officers, free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase. Tables showing the time, working pay (when specially sanctioned), and materials allowed for painting miscellaneous carts and wagons are given in Appendix XVIII.

367. When any of the materials detailed in Appendix XVIII are required, the officer commanding in whose charge the equipment is, will certify to the repairs being necessary, and will annex such certificate to the demand for the materials made by him on the chief ordnance officer. The commanding officer will subsequently satisfy himself that the repairs or painting have been properly executed.

368. The services of the regimental artificers will, when the duties of their own unit permit, and at the discretion of the General Officer Commanding, be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with artificers, or requiring the assistance of additional artificers in exceptional circumstances.

369. Repairs which cannot be executed by the regimental artificers will be performed under the direction of the Army Ordnance Department, by the artificers attached to that department, or else in accordance with the directions given in paragraph 373.

370. When repairs to stores, including armament and artillery material other than those mentioned in paragraph 372 (but exclusive of small arms) cannot be carried out locally, the chief ordnance officer should apply to the Deputy Director of Ordnance Stores, Woolwich Arsenal, stating what repairs are necessary, what procedure is recommended to effect the repairs, whether repairs are urgent, and date when completion is desirable.

371. In the event of undue delay in the return of equipment that has been sent to Woolwich for repair a special report should be made by General Officers Commanding, to the War Office, on the subject.

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D 3

372. Whenever any service in connection with the mountings, machinery, engines or gear used exclusively by the Royal Artillery and Army Ordnance Department is beyond the resources of the corps or department named, application should be made to the Royal Engineers for assistance.

373. Whenever repairs, painting, or other services, involving the expenditure of working pay, or payments to contractors, are required in connection with the equipments of a unit, an indent will be made by the commanding officer on the chief ordnance officer, stating the nature of the work required, and the cost at which it could be carried out by military tradesmen receiving the authorized rates of working pay, or by local contract.

374. The officer making the indent will then be informed of the manner in which the service should be performed; and if it be decided to employ military tradesmen, he will, on the completion of the service, certify on the original indent that the work has been efficiently carried out. The indent so certified will then be attached to the working pay list as a voucher in support of payment.

375. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by commanding officers be sanctioned by General Officers Commanding, except in special cases which should be reported for covering approval.

376. In order to regulate the expenditure of material for repair, A.B. 281 and 282 or 283 will be carefully kept by the units concerned, the ledgers (A.B. 282 or 283) being balanced on the 31st March. The books will be periodically examined by the local chief ordnance officer, or by officers deputed by him to act on his behalf, not with a view of a detailed audit being made, but with a view of determining whether the regulations have been properly carried out. Stock will be taken every six months by an officer deputed by the commanding officer, and compared with the quantity received and the amount expended. The result will be reported to the commanding officer, who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible, and recovered on A.F. P 1963.

The regimental storekeeper will examine A.B. 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

377. Materials supplied for repairing equipment will not, except under special authority, be used for the manufacture of new articles.

378. In making indents for materials for repairing equipment, commanding officers will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorized proportion.

379. Materials will be supplied annually for the repair and browning of government bicycles as laid down in Appendix IX.

B.—ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY.

1. Arms.

380. Armourers (warrant and non-commissioned officers of the Armourer Section, Army Ordnance Corps) are posted to commands for duty at army ordnance depôts or for employment as circuit armourers. These armourers are under the immediate orders of the chief ordnance officer of the depôt supplying the area in which they are stationed. Armourers are also attached to regiments of cavalry and battalions of infantry, and to such other units as may be specially approved.

381. The stripping or removal of any part of an arm, except by an armourer, or a serjeant instructor who has been through a course of instruction at the Royal Small Arms Factory, Birmingham, or Enfield Lock, is strictly forbidden. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy, authorized by the Musketry Regulations.

382. Should a commanding officer doubt whether arms of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion; the question will be dealt with by the General Officer Commanding, the Chief Inspector of Small Arms being referred to if necessary.

383. Oil and material for the preservation and cleaning of arms are supplied to all corps in possession of arms. Units provided with an armourer will also be supplied with the implements, stores, and chemical ingredients required for repairing and browning arms and bicycles, in the proportions detailed in Appendices VIII and IX. Instructions for the care and preservation of bicycles, and instructions for the care, repair, browning, &c., of arms and bayonet scabbards, and a list of parts and materials to be taken when regiments proceed on service abroad, are printed in the Instructions for Armourers, and will be supplied to all concerned.

384. When materials are required for the repair of arms, officers commanding squadrons or companies will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The commanding officer will subsequently satisfy himself that the repairs have been executed.

385. Armourers will furnish officers commanding companies or detachments with a detailed report of each inspection, upon A.F. G 1048.

386. When a unit requires components in excess of the authorized allowance, the officer commanding will furnish an explanation of the cause. The matter will be dealt with by the General Officer Commanding, under paragraph 5; and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the com-

ponents are required in connection with a viewer's inspection, the Chief Inspector of Small Arms will enumerate the excess components on his inspection report to the General Officer Commanding, and will also state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

387. Barrels of carbines or rifles damaged beyond local repair will be exchanged for new barrels with bodies, which will be fitted to the arms by the armourer; the barrels with bodies, as replaced, being returned to the local ordnance dépôt. The foregoing applies also to pistol barrels and "cylinders assembled." All other arms damaged beyond local repair will be returned to Army Ordnance Department, and new ones demanded to replace.

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388. Units of regulars and special reserve not provided with an armourer will have their arms inspected annually by a circuit armourer detailed by the chief ordnance officer of the area. This arrangement does not relieve commanding officers from responsibility as to the care and repair of the arms, and arrangements will be made by them for such general supervision of the work of the armourers as will ensure its being properly carried out. Should repairs be required between the annual visits of the circuit armourer, the commanding officer will apply to the chief ordnance officer who will arrange for their being executed, either by detailing an armourer to visit the unit or by having the damaged arms sent in to the ordnance dépôt for repair, whichever course may be most convenient and economical.

389. The non-commissioned officers of the regular establishment of special reserve battalions who have been through a course of instruction at the Royal Small-Arms Factory at Birmingham, or Enfield Lock, will be available for the execution of such slight repairs as the arms are likely to require between the annual visits of the circuit armourers. In the case of horse, field, and heavy artillery units, the armament artificers of the Army Ordnance Corps attached to the brigades will carry out the necessary inspections (but not the repair) of the small arms in possession.

390. Circuit armourers will be supplied in advance by the ordnance officer with the components, including "barrels and bodies" estimated to be required for repairing the various descriptions of arms. Such supplies will be written off charge in the ordnance accounts by expense voucher. On completion of the tour, the circuit armourer will produce lists of the components expended on the arms of each unit, supported by the certificate of the commanding officer that he is satisfied that the quantities affecting his arms are correct.

The ordnance officer, after satisfying himself that the components, if any, brought back by the circuit armourers are the correct balance, will bring them on army ordnance charge by certificate voucher.

391. If on examination of the arms, the armourer should meet with an arm which he considers unserviceable, or which may require more extensive repairs than he is able to execute on the

spot, he should report the circumstance to the officer commanding, who will communicate with the chief ordnance officer with a view to the arm being returned to store.

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392. The armourers will forward a report showing the result of their inspections, on A.F. C 366, to the chief ordnance officer, and a copy of this report will be forwarded to the officer commanding the unit concerned.

When the components expended in the repair of the arms of a unit are in excess of those allowed by the scale in Appendix VIII, the chief ordnance officer will call on the officer commanding the unit for an explanation and the matter will then be dealt with in the manner indicated in paragraph 386.

393. Where, owing to the ordnance dépôt not being centrally situated in connection with a circuit, it is found more advantageous to post a circuit armourer to a station where no ordnance dépôt exists, such tools and appliances as may be required for his use will be held and accounted for by the officer commanding the unit to which he is attached.

The officer commanding the unit will obtain from the chief ordnance officer on indent such components as may be necessary, accounting for them in A.B. 282 and supplying them to the circuit armourer in the manner indicated in paragraph 390.

The circuit of such armourers, and the dates of their visits to the various units in the circuit will be arranged by the chief ordnance officer.

394. Circuit armourers will inspect annually 5 per cent. of the arms stored for reservists with units or at regimental dépôts in their circuit.

395. The arms in possession of units or detachments abroad will be examined by an armourer quarterly. Should it not be practicable for the work in connection with units and detachments not provided with an armourer to be undertaken by the Army Ordnance Department, the General Officer Commanding will detail a regimental armourer to perform the necessary inspection, repair, and rebrowning.

In such a case the unit providing the armourer will also provide the necessary materials, which will be obtained from the Army Ordnance Department in the proportions laid down in Appendix VIII.

396. On the return of arms into store any repairs found necessary, which ought to have been performed by the armourer, will be charged against the troops.

397. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition. (See paragraph 387.)

398. All tampering with arms is strictly prohibited. Any damages to arms so caused will be charged against the troops.

399. Annual inspections of all arms in possession of the regular forces in Great Britain and Ireland except those of the Royal

Army Medical Corps, Army Ordnance Corps, Army Pay Corps, Gyninastic Staff, and the Royal Military College Staff, which will be examined triennially, will be made by the Chief Inspector of Small Arms at such times as may be most convenient to the public service. The cost of any repairs found necessary from any cause other than fair wear or tear will be charged against the troops.

400. After every inspection of arms by the Chief Inspector of Small Arms, a copy of the viewer's rolls, showing the repairs, &c., necessary to put the arms in a serviceable condition, will be forwarded to the officer commanding, who will subsequently forward a certificate to the Chief Inspector of Small Arms, through the chief ordnance officer of his district to the effect that the repairs, &c., shown thereon have been carried out. In the case of special reserve units in Ireland this certificate will be furnished by the ordnance officer in charge of the arms.

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401. Barrels of rifles or carbines found by viewers at their annual inspection to be "Rusty, to be cleaned by armourer" will be marked by the viewers with a letter "R" on the "knox form," so that the same barrel may not be again reported for such defect in succeeding years. This, however, will not prevent the barrel being again reported if the rust is allowed to become so bad as to necessitate cleaning in the ordnance factories.

402. Stars in front of "knox form" of barrels of rifles and carbines, and on the left hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other portions of barrels denote that a trace of exterior erosion exists in the region of the star. A star on the pommel of sword bayonets, denotes that the pommel is cut or otherwise blemished. No charge will be made against the troops at subsequent inspections for such cuts or rust. These stars are placed on the arms at Ordnance Factories at home or Ordnance Depôts abroad.

403. To enable the armourer to perform the service of browning the arms, he will be granted from the unit the assistance provided for under the Pay Warrant.

404. When new rifles have been issued to units, and the bayonets in use with the arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the sword bayonets and bayonet sockets in the following proportions:—

Labour ...	...	$\frac{1}{3}$	} Of the regular authorized amounts for biennial browning.
Fuel ...	...	$\frac{1}{6}$	
Browning material	...	$\frac{1}{8}$	

405. No charge will be made against the troops for browning their arms, when the browning is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

2. Accoutrements.

406. The leather work of accoutrements of dismounted units, as shown in paragraph 407, will be repaired by the shoemaker of the

unit, or such other person as may be directed by the commanding officer.

407. For this service the undermentioned sums will be allowed annually to each commanding officer, for every 10, or less number, of sets of accoutrements in use :—

	s.	d.
Company of infantry	1	2
Unit of Royal Engineers (except mounted units)	1	0
Company of Garrison, and Local Companies, } Royal Artillery, and Bermuda Militia Artillery } District Establishment, Royal Artillery } Dismounted Depôt Company of Army Service } Corps } Company or detachment of Royal Army Medical } Corps } Depôt of Royal Army Medical Corps } Company of Army Ordnance Corps }	0	10

In addition to the above, depôt companies of Royal Garrison Artillery will be allowed $\frac{1}{2}$ d. per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

408. The allowance for the repair of accoutrements will be claimed in advance, for the whole financial year, in the month of April, upon A.F. P 1900, and will be charged in the battery or company pay list.

409. Waxed thread and tools will be provided out of this allowance, the articles allowed for repair of accoutrements being supplied by the Army Ordnance Department.

410. The repair of the metal work will be part of the ordinary duty of the armourer, or smith, where one is available.

411. The use of oxalic acid or other injurious materials for cleaning black or buff accoutrements is strictly forbidden. Such parts of black accoutrements (leather valises excepted) as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used in such cases.

412. Material for the preservation of brown leather accoutrements in possession of troops will be provided under regimental arrangements. The following instructions are for the information and guidance of commanding officers :—

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When brown leather accoutrements require to be cleansed from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade. Two bars of soap per month per company will be found ample.

To preserve and polish brown leather accoutrements, a dubbing composed of :—

10 ozs. of clean mutton tallow,
6 ozs. of pure beeswax,
3 drams of camphor,

melted and mixed over a slow fire, should be used. These ingredients will make one pound of the composition, which should be

rubbed on to the grain, or smooth side of the accoutrements, with a piece of coarse cloth, using as much friction as possible to enable the fatty substance to penetrate. A portion of the wax will then remain on the surface, and dry rubbing will always bring on a polish. An application of this composition once a month will, in ordinary circumstances, be found sufficient, and an allowance of 2 ozs. per man per month will be found ample; but whenever it is necessary to clean the accoutrements with soap and water, an application of the composition should always be made before the leather is quite dry. When accoutrements get stained with mildew or perspiration, or otherwise, a slight application of limejuice will be found to remove the stains.

413. Spare parts and furniture for accoutrements required to replace others expended or worn out, the cost of which is chargeable to the public, will be supplied in the authorized proportions, as specified in the several sections of Equipment Regulations, Part 2.

414. Materials required to replace others lost or damaged by neglect, will be charged against the troops.

415. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the artificers of units, free of charge. Commanding officers will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

416. In cases, however, where the indents for accoutrements to replace unserviceable articles are very large, and where commanding officers consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 415 may be demanded in a complete state.

417. In order to fit the pattern 1888 valise equipment to small men, the braces should be shortened by having $1\frac{1}{2}$ inches taken off the centre (body) and 1 inch off the back of same, the broad part being slightly narrowed in one brace to give greater ease at the junction of arm and shoulder. Braces so altered will be marked with the letter "S" to obviate their being confused with other braces which have not been so altered.

The sum of $2\frac{1}{2}$ d. per pair (including cost of rivets) will be allowed as a charge against public funds for the local alteration of the braces of valise equipment.

418. The following amounts will be allowed for the alteration of haversacks, old pattern:

Altering haversacks, Horse and Field Artillery	... each	$\frac{3}{4}$ d.
Shortening bands of haversacks without sliding buckle, when necessary to make them fit	... each	2d.
Lengthening bands of haversacks when required, material provided by the public	... ..	each $1\frac{1}{2}$ d.

The new pattern G.S. haversack does not require any alteration.

3. Musical Instruments.

419. Instructions for the care and preservation of flutes and piccolos are printed in Appendix XX.

4. Harness and Saddlery.

420. The authorized proportions of materials, as detailed in Appendix X, and for Household Cavalry in Equipment Regulations, Part 2, Section II, which are supplied for repair of harness and saddlery, are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials would not be required; and commanding officers in making indents will demand only what is actually requisite. Needles, for the repair of harness and saddlery, may be drawn annually, at the rate of one sewing needle to five sets of saddlery or single harness, and one harness needle to four sets of saddlery or single harness.

421. Repairs to saddle blankets carried out by regimental saddlers should be done with "worsted grey" and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

The stitching in all cases should be so executed that the rent, or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching; but when material is used, it should, as far as possible, match the blanket.

422. All cuttings from the undermentioned materials supplied to the mounted services for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned into store, as convenient opportunity offers :—

Cuttings from	canvas.	Flaps, saddle, pairs.
	cloth.	Hair, old { doe. horse.
	leather.	
	numnahs.	Junk, old.
	serge.	Seats, saddle.
	sheepskins.	
Metal-work,	{ brass bosses, { bits.	
	{ copper rivets, saddles, universal.	
	{ iron (from saddles generally).	

423. Detailed instructions for the care and preservation of the leather of harness and saddlery are printed in Appendix XIII.

5. Surveying, Drawing, and other delicate Instruments.

424. Surveying, mathematical, drawing, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass and are lacquered or otherwise protected; it is, therefore, only necessary to wipe them over carefully with a slightly oiled soft rag, finally removing all oil. No great amount of force should be used.

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SECTION XVIII.—DURATION OF EQUIPMENT.

GENERAL INSTRUCTIONS.

425. Periods of duration have been assigned to the articles enumerated in the following tables, with the object of informing commanding officers and ordnance officers of the length of time equipment should remain serviceable under ordinary circumstances of continuous use. Should it appear that articles are becoming unserviceable before they have been in use the prescribed periods, inquiry should be made into the cause thereof; since, in the absence of sufficient reason to explain the circumstance, the troops become liable to be charged in accordance with paragraphs 99 and 100 of these regulations. The periods of duration are not intended in any way to govern the times for exchanging the stores, which must continue to be used until actually unserviceable.

426. On active service and at stations abroad the periods of duration are liable to vary according to the nature of the service and the climate, but the prescribed periods will be kept in view, and adhered to as far as practicable.

ARMS.

TABLE I.				Duration, in years.	Remarks.
Rifles and carbines				12	
Bayonets				12	
Scabbards {				8	
leather { sword				12	
steel, sword, staff-serjts.				10	
" cavalry				8	
Bottles, oil, Mark III				4	
Covers, tin, mineral jelly				12	
Lances				2	
" flags				12	
Pistols, Webley				8	
Protectors, front sight				8	
Pull-throughs {				8	
weights				12	
cords				8	
Reflectors, mirror				12	
Dirks				12	
Swords				12	
Implements, action				12	
Actions, skeleton {				12	
M.L.M.				12	
M.M. and M.E.				10	
Tools, removing striker, M.L.M.				5	
Tubes, aiming {				5	
M.H.				5	
M.L.M.				5	
M.M.				5	

ACCOUTREMENTS.

TABLE 2.		Duration, in years.	Remarks.
Aprons, leg		10	
Bags, ammunition		4	
Bandoliers, web (shoulder or waist) ...		4	
	pouch { staff serjeants	{ 7	Household Cavalry.
		{ 8	Other corps receiving them.
	other ranks	7	Household Cavalry.
	waist, buff, cavalry, line, all ranks	9	
	waist, buff, cavalry, household, all ranks	7	
Belts {	waist, valise equip- { staff serjeants {	8	Rifles.
	ment { general service {	12	Other corps receiving them.
		9*	Rifles.
		12*	Other corps receiving them. | A.O. 295
	waist, under officers, Woolwich ...	7	1906
Billets for sword carriages		6	
Bottles, water		9	No definite period can be fixed.
Braces, valise equipment		{ 12	Rifles.
Carriages, waist belt		6	Other corps
Cases, brown, pistol		9	Four years for Lancers.
Chapes		12	
Frogs		{ 8	Rifles.
		{ 12	Other corps.
	„ wire cutter	10	
Handcuffs, common pairs		12	
Haversacks { green, rifles		5	Except G.S.
	{ all other patterns	3	(See Table 2A).
		4	Rifles.
Knots, sword, leather		{ 6	Other corps.
		{ 8	Chief warders.
Lanyards, pistol		3	
	ammunition	{ 9	Household Cavalry.
Pouches {		{ 10	Rifles.
	warders	9	Other corps.
	writing materials	7	
Slings, carbine or rifle, buff		8	
	greatcoat	9	
	mess-tin { mounted services ...	6	
		9	
Straps {	dismounted services { buff	5	
		{ black	
	water bottle, enamelled... { web	4	Guards.
		3	Others.
Tins, mess and covers		3	
Valises { canvas		6	
	leather	8	
Whistles with thongs		12	

NOTE.—The duration of accoutrements issued part worn will be half the above periods.

* When these articles are issued for wear only on ceremonial parades and when "walking out," the periods of duration will be 16 years in the case of "rifle" and 20 years for other corps.

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The following periods of wear for certain new pattern accoutrements have been allotted provisionally :—

TABLE 2a.	Guards.	Others.	Remarks.
Bandollers, brown leather { 90 rounds	—	6	
{ 50 „	8	6	
Belts, waist, brown	8	6	
Carriers, great coat, web	3	3	
Carriers, water bottle, brown leather ...	8	6	
Covers, mess tin, { N.P. Accoutrements	4	4	
{ Other pattern ...	3	3	
Haversacks, G.S.	6	6	
Pockets, ammunition waist { 15 rounds	8	6	
{ 10 „	8	6	
Slings, rifle, web, G.S.	5	4	
Straps { coat N.P. brown	8	6	
{ shoulder water bottle	5	3	

HARNESS, SADDLERY, AND STABLE NECESSARIES.

TABLE 3.	Duration, in years.	Remarks.
HARNESS AND SADDLERY.		
Bags { corn*	8	
{ nose*	3	
Bands, back	7	
Bits { bridoon	12	
{ portsmouth	12	
Blankets, saddle	4	
Breastpieces	7	
Breastplates	5	
Breechings	7	
Bridles, snaffle	3	
Brushes { harness, hard	1	
{ horse	1	
{ water, carriage... ..	1	
{ carbine	5	
{ lance	5	
Buckets { rifle	5	
{ signalling flags	5	
{ tool	5	
Cases, horseshoe	7	
Chains, hame	6	
{ breast	7	
Collars { head	4	Warrant officers, non - commissioned officers and men. Officers.
{ neck	7	
Combs, curry	1	
Cruppers	7	
Dock pieces	7	
Fringes, eye	1	
Frogs, sword, saddle	5	
Girths { leather	7	
{ web	3	
Hames	16	

* Nose and corn bags are expected to last the periods prescribed for them when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

Harness, Saddlery, and Stable Necessaries—continued.

TABLE 3—continued.		Duration, in years.	Remarks.
Heads, bridle		5	
Hooks, pole bar		10	
Irons, stirrup		16	
Leathers, stirrup		5	
Leggings, drivers		7	
Numnahs		3	
Pads, { back, A.S.C.		6	
	collar, zinc	3	
Pannels, { saddle { drivers and luggage...		7	
	officers and universal	8	
	numnah	8	
Pieces, buckling		7	
Protectors, cape		8	
Reins { bearing, leading, and bridoon ...		5	
	portmouth bit, and side ...	5	
	driving	6	
Ropes { head, hemp†		6	
	heel	6	
Rubbers, horse		1	
Sacks, corn†		5	
Saddletrees {		12	
	flaps	6	
	seats	6	
	V-girth, attachments ...	6	
	lamb, officers	7	
Skins { leopard, officers		7	
	sheep, Household Cavalry ...	6	
Sponges, { riding horses		$\frac{4}{12}$	
	7 drachms { draught	$\frac{2}{12}$	
Straps { all kinds (except kicking) ...		5	
	kicking	10	
Surcingle { attachment hames		5	
	chains	5	
	harness, lead and wheel, and		
	saddlery	7	
	harness, short	7	
Traces { hooks		5	
	long, harness, mule, breast, G.S.	5	
	pieces, leather	5	
	ropes	2	
	short, harness, mule, breast, G.S.	5	
Tugs { back-band, and breast harness ...		7	
	trace	7	
Wallets...		7	
Whips { drivers		3	
	driving	3	
	hand	1	
	longeing	2	
Scissors, { 1 pair for each riding horse ...		5	
	trimming { 1 pair for each pair of draught		
	horses	3	

† Corn sacks and head ropes are expected to last the periods prescribed for them when the troops are in permanent stables only. On other occasions the time these articles will last will depend on the nature of the service and the station.

The period of duration for articles of harness and saddlery issued part-worn is to be taken under ordinary circumstances as half that fixed for new.

TABLE 4.				Duration, in years.	Remarks:		
Bugles, without strings {				4	Mounted corps. Other corps.		
				6			
Cases {	leather {	flute { B	...	6			
			piccolo { F	...	6		
				...	6		
				...	10		
				...	10		
	bass	...	...	10			
	bass :—						
	cords	...	...	$\frac{9}{15}$			
	heads	...	...	1			
	sticks	...	... pairs	10			
Drums {	side, brass,		...	10			
			side, brass :—	...			
				cords	...	$\frac{2}{11}$	
				heads	...	1	
					sticks	...	... pairs
	silent	...	...	10			
Flutes {	B	...	...	6			
			...	6			
Piccolos {	E flat	...	...	6			
			F	...	6		
Strings, bugle, or trumpet {				4	Mounted corps. Other corps.		
Trumpets {				6			

TABLE 5.		Duration, in years.	Remarks.
Axes	{ hand	12	
	{ pick—6½ lbs. heads, 34½-in. helvcs... ..	12	
Cases, pioneer equipment, cavalry		9	
Nippers, end-cutting, cavalry, pioneer		8	
Pliers		8	
Pouches, matchbox		9	
Rules, 18-in.		12	
Saws, hand 18-in.		12	
Sets, saw, hand		12	
Spades, N.P.		12	
Straps, connecting, valise equipment, old pattern,			
mess-tin		9	
	{ buffer, farriers	12	
	{ hammer, farriers, shoeing	12	
	{ knife, drawing, farriers	12	
	{ pincers, farriers	12	
	{ rasps, farriers, 14-in.	12	
	{ augers, bull-nosed, 2-in.	12	
	{ files, saw, taper, 2nd cut single,		
	{ 6-in.... ..	12	

MISCELLANEOUS ARTICLES.

TABLE 6.		Duration, in years.	Remarks.
Bicycles	...	6	When in constant use.
Binoculars	...	7	
Cases	...	7	
Boxes, schoolmasters	...	12	
Chests, clothing, or school materials	...	15	
Cases, wood, armourers	...	12	
Flags, signal, army	{ large...	2	
	{ small	1½	
	{ poles { large	4	
		3	
	{ small	3	
Stamps	{ brass or gun	{ figures, 0 to 8,	When in constant use.
	{ metal, on	{ sets ...	
	{ wood, ½ in. ...	{ letters, single	
	{ copper, inlaid,	{ figures, 0 to 8,	
	{ ½ in. ...	{ sets ...	
	{ letters, single	...	
	{ steel, for metal	{ figures	
	{ or wood ⅜ in.	{ letters...	
	{ steel for metal, dash lines ¼-inch	...	
	{ steel, for wood,	{ figures, 0 to 8,	
	{ ¼ in. ...	{ sets ...	
	{ letters, single	...	
Telescopes	{ steel, ½ in. ...	...	When in constant use.
	{ wood, 2 ins.	...	
	{ Cases	...	

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SECTION XIX.—DUTIES OF ARMOURERS.

427. Armourers will perform the following duties:—

(a.) Execute all repairs required to the arms (including lances, pistols, swords, and scabbards) in possession of, or that may be supplied to their respective units; and perform any other work, within their capabilities, required to the equipment of their units, such as repairs to helmets and chains, busby chains, lancer cap chains, and the brasswork on the lancer cap. If in possession of the certificate granted by the Chief Inspector of Small Arms as having passed a course of instruction at Birmingham or one received from the Commandant Ordnance College, as having passed a course of instruction at Woolwich in the repair of bicycles, they will execute all repairs to any bicycle or bicycle accessories on charge, except repairs necessitating brazing, stove enamelling or revulcanizing, for which services arrangements will be made by chief ordnance officers.

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(b.) Inspect quarterly all bicycles, rifles, carbines, pistols, and sword-bayonets in use, making good defects wherever possible—*vide* paragraph 387; then, with the prescribed assistance, brown any bicycle components and the barrels of such arms, including machine guns, as may require it. (As far as possible, the quarterly inspection to take place on Saturdays, or after 4 p.m. on other days, so that the training of the troops is not interrupted.) Apply composition preserving arms between fore-ends and barrels periodically in accordance with the instructions in foot-note to Table 11, Appendix VIII. Thoroughly strip yearly for examination and cleaning all bicycles, rifles, carbines, and pistols in use. Examine yearly all swords and lances. (The yearly strippings and examinations to take place during the winter season.) Examine and clean all arms and bicycles issued from store before they are placed in the hands of the troops, removing any excess of lubricant from the barrels and actions of the arms. Examine and clean all machine guns and bicycles in accordance with "Instructions for care and preservation" issued for them respectively.

(c.) Mark all arms in possession or that may be supplied, also the drums, bugles, or trumpets. Perform all repairs to the iron and metal-work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons which is to be done every third year, or oftener if necessary. Keep in repair the tools in the armourer's boxes, and within the limits prescribed in paragraph 284, manufacture when necessary, tools not included in the set detailed in Appendix IV.

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(d.) Within working hours, the services of armourers will, when the duties of their own units admit, be generally available for the performance of any of the above duties for other units or departments, without extra remuneration; but the employment of an armourer with another corps is limited to the case of units without artificers,—or to cases in which artificers are attached, but additional assistance is required under exceptional circumstances.

(e.) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

(f.) Fit the plates supplied with cork helmets.

428. Circuit armourers will examine, repair, and rebrown, as necessary, the arms of all depôts and other units not provided with armourers, including units of the Special Reserve, in the districts allotted to them. When in possession of the certificate referred to in paragraph 427(a), they will execute all repairs, as necessary, to any bicycle or bicycle accessories, except repairs necessitating brazing, stove enamelling, or revulcanizing, for which services arrangements will be made by the chief ordnance officer.

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429. Armourers will, in addition to the duties laid down in paragraphs 427 and 428, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform.

430. Armourers are not allowed to make any charge against a soldier for work performed on the arms.

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APPENDIX I.

(Referred to in paragraphs 13, 14, and 87.)

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS.

1. The ledgers will contain a faithful record of all permanent equipment received or issued. They will be balanced up to 31st March in each year, and will be forwarded, with the vouchers in support, from home stations direct, and from stations abroad through the chief ordnance officer, before the 1st May, to the War Office or local audit office. The vouchers are to be laid flat in the equipment ledger.

2. Copies will be kept of all equipment ledgers sent for examination. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies will be retained by the accountant, who will correct his copy of the ledger accordingly.

3. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the War Office or local audit office.

4. When equipment is transferred from one accountant to another, stock will be taken as laid down in paragraph 13, Part I, and the board therein mentioned will furnish the following certificate :

We certify, in accordance with paragraph 13 of the Equipment Regulations, Part I, that on the transfer of the equipment of the * _____ on the† _____ the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger.

President, _____

Members { _____

_____ Officer giving over charge.

_____ Officer taking over charge.

This certificate will be forwarded with the vouchers of the equipment account on the 31st March following.

5. Any surplus stores will at once be brought on charge in the ledger by certificate receipt voucher. The voucher will be signed by the officers who sign the certificate. All stores which may be found to be deficient will be struck off charge, and dealt with as laid down in paragraphs 668, 670 to 672 King's Regulations.

* Here insert the corps.

† Here insert the date.

6. A balance will then be struck as directed in paragraph 15 of this Appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible. This balance will agree with the numbers given by the certificate referred to in paragraph 4 of this Appendix.

7. Officers commanding detachments referred to in paragraph 98, Part 1, will render equipment ledgers in accordance with these regulations, so long as they remain independently detached. When a detachment of infantry is attached to a battalion, the equipment will be transferred by voucher to the officer commanding the battalion, but will be accounted for by him in a separate ledger, A.R. 239.

8. When a detachment returns to its own unit, or is absorbed in a territorial dépôt or other corps, the equipment will similarly be transferred to the dépôt or corps ledger; and the detachment ledger will be closed, and rendered, complete with its vouchers, to the War Office, or local audit office, as a final ledger.

9. Articles supplied in sets for which a single heading is provided in the printed equipment ledgers, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled." A certificate will be given at the end of the ledger by the commanding officer that the sets and tool chests are complete, and contain the articles that should be comprised in them, as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail. The articles drawn from the Army Ordnance Department to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted as soon as possible after they occur, and will be supported by voucher.

11. Vouchers for stores issued are called issue vouchers, and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger.

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only in the column of the voucher headed "total number or quantity," the columns S. R. U. and D. being left for use of the Army Ordnance Department.

13. The ledger folios at which entries are made should invariably be noted on the vouchers supporting the account in the column headed "ledger folio."

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered in red ink on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

15. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger. The total issues are then brought over to the left hand side and written immediately under the total receipts, the quantities left becoming the ledger balance or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

16. In forwarding the equipment account, officers commanding will certify that it has been carefully checked by an officer appointed by him for that purpose, who will sign it in evidence of such examination.

17. Officers will take care that the ledgers and vouchers are not ticked or altered with coloured pencil or coloured ink, that no correspondence is carried on upon them, and that no erasures are made. No entries in black lead pencil will be shown either in the ledgers or on the vouchers. Any necessary corrections will be made in black ink and will be duly initialled, in the case of vouchers by the person who signs the vouchers, and in the case of ledgers by the responsible accounting officer, but the original entries should remain legible.

18. In order to assist commanding officers in accounting for equipment distributed to companies, squadrons, or detachments, A.F. B 292 for cavalry and A.F. B 293 for other arms will be rendered monthly to the officer commanding, who will compare the totals of the stores shown in these returns with the numbers or quantities shown in the equipment ledger.

19. The attention of equipment accountants is specially directed to the provisions of the Equipment Regulations, Part I, in regard to the following :—

	Paragraph of Regulations.
Dispensing with stocktaking board	14
Stores, &c., in excess of authorized proportions ...	5
Indents and authority for issue	20, 21
Issues to units on repayment	29
Condemned haversacks, mess-tins, and mess-tin covers... ..	52
Vouchering of stores returned to the A.O.D. ...	54, 55
Condemnation of stores	76, 92
Accounting for fired ammunition cases	72
Loss, injury, or destruction of stores or equipment	79, 90-92
Consumable articles and materials for repair ...	88, 376
Accounting for ammunition	89, 214A.
Stores condemned locally	51, 93
Loss by desertion	103
Stores for cleaning, preservation and repair of mobilization equipment	168
Officers saddlery	236
Stores for instruction in field training	279, 280

Active Service.

20. On receipt of orders to mobilize, officers commanding units about to take the field will prepare to transfer the equipment account to the officer in charge of details left behind.

21. After the unit has been placed under orders for active service and before leaving the peace station, the officer commanding will write off charge in the ledger by certificate voucher the whole of the equipment taken by the unit.

22. The balance of the peace equipment, with the ledger, will then be formally taken over by the officer in charge of details.

23. If after the ledger has been handed over, but prior to embarkation or taking the field, the officer commanding issues stores or equipment to another unit or department, he will notify the officer commanding details, who will obtain a receipt from the receiving officer. The officer commanding details will not enter the transaction in the ledger but will forward the receipt with the vouchers to his account.

24. The officer in charge of details will arrange with the chief ordnance officer for the return of the surplus equipment remaining in his charge to the Army Ordnance Department, and as soon as the men left behind have been transferred with their equipment, the ledger will be closed and rendered for audit.

25. If no officer of the unit is left with the details, the officer commanding will apply to the General Officer Commanding to nominate an officer who will carry out, in conjunction with the officer commanding the unit, the above instructions.

26. At the earliest possible date after the termination of hostilities or on the return of the unit to peace conditions, a regimental board of officers will be assembled. This board will take stock in detail of all equipment stores in possession of the unit, whether supplied from store, purchased, captured, or commandeered, and the stock then found by the board will form the opening balance of a new equipment account, which will be kept thenceforward by the unit as a peace account. The stock-taking board will furnish the officer commanding with a certificate that the stock, as entered in the state of the new ledger, agrees with the quantities as found by them, and this certificate will be forwarded with the account when it is rendered for audit.

APPENDIX II.

(Referred to in Paragraph 85.)

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR RETURNING FROM INDIA.

GENERAL INSTRUCTIONS.

1. The equipment of troops proceeding to or from India is transferred on payment (except as provided in paragraphs 23 and 24) from the Imperial to the Indian Government, or *vice versa*, at the same date at which the troops are transferred to or from Indian pay, *i.e.*, in the case of—

(a) Ordinary reliefs,	{	troops proceeding to India : from the date of	15
		of embarkation.	1.01
		troops returned from India : from the date of	1549
		the arrival of the vessel in port.	

- (b) Indo-Colonial reliefs at Imperial expense on the day of disembarking in, or embarking from India.

A special survey on the equipment of troops so proceeding will always be held for the purposes of ensuring that the equipment transferred from one Government to the other is correct and serviceable, and of affording a basis for the adjustment of its value between the War Office and the India Office. (See also Clothing Regulations.)

2. Such surveys will be held as follows :—

In the case of—

All units embarking *for* India.

Prior to embarkation.

	{ for Home	} After disembarkation.
" " " from India	" Egypt	
	" Mediterranean	
	{ " any other station	} Prior to embarkation.

3. The dates upon which these surveys will be carried out during the trooping season will be arranged by the Inspector of Military Equipments, appointed by the Secretary of State for India to represent the Indian Government, who will attend all such surveys held at home, in Egypt, and in the Mediterranean stations.

The General Officer or Brigadier-General in charge of administration in the command in which the unit is stationed will be informed by the Inspector of Military Equipments, India Office, of the dates when it is desirable the survey should be held, which, in the case of a unit embarking for India, will usually be about one month prior to embarkation.

An ordnance officer in the command concerned will be detailed to represent the Imperial Government, who, with the representative of the Indian Government, will constitute the board of survey.

4. When the Secretary of State for India does not send a representative, *i.e.*, at stations abroad other than those named in paragraph 3, the General Officer Commanding will in all cases convene a special board for the survey not less than one month before the day fixed for embarkation, constituted, when practicable, as follows :—

A field officer, not of the unit concerned	...	President.
A captain of the unit	...	} Members.
An ordnance officer	...	

5. At surveys held under paragraph 3, the Inspector of Military Equipments will obtain from the Chief Inspector of Small Arms the services of a viewer of small arms to assist the board. At surveys held under paragraph 4, expert assistance will be furnished to the board by the Army Ordnance Department.

Ordinary Reliefs proceeding to India from Home and Stations Abroad.

6. Full information regarding the equipment to be taken to India will be furnished to the officer commanding the unit by the Inspector of Military Equipments, India Office.

7. The following preparations for the survey will be made by the officer commanding the unit :—

- (a) The equipment ledger will be temporarily balanced to the date of the survey, and produced before the board.
- (b) Lists of all articles of equipment in possession of the unit will be prepared, for the information of the board, on the forms provided, and as directed in the instructions on those forms, which will be issued in good time to the officer commanding the unit concerned by the Inspector of Military Equipments, India Office, S.W.

8. The survey will be taken by squadrons, batteries, or companies, each man bringing up his complete set of accoutrements in order of the lists (paragraph 7b), every article being separated. Cloaks, greatcoats, capes and any other articles of public clothing will be inspected at the same time.

9. The arms, accoutrements, public clothing, and appointments of infantry staff serjeants, drummers, band and pioneers, will be included in the returns of the companies to which they are attached, but the quartermaster's stores, artificers and regimental tradesmens tools, materials for repair, and any other miscellaneous articles of Government property, will be inspected separately.

10. Armourers tools will not be taken by units to India as regimental equipment.

11. Any articles on charge in the equipment ledger which are not produced to the board will be charged against the unit and paid for before embarkation.

12. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey and will forward the same, accompanied by the detailed forms alluded to in paragraph 7 (b), through the General Officer or Brigadier-General in charge of administration, to the War Office.

13. Articles required to complete the arms and equipment of the unit to Indian strength (including replacement of those condemned and found deficient by the board) will be issued by the Army Ordnance Department on receipt of indents from the officer commanding, made out on the usual forms, countersigned by the surveying officers (paragraph 3) or by the president of the board (paragraph 4). The stores will be issued before embarkation of the unit. Immediately after the unit has embarked, the chief ordnance officer concerned will forward to the War Office copies of the issue vouchers for stores that have been supplied in satisfaction of the above indents.

14. All articles of equipment in excess of Indian scales or condemned by the board as unfit to be taken to India, except water-bottles and their adjuncts (see paragraph 23), will be returned to store before the unit embarks for India, the usual vouchers being passed. Any such articles taken by the unit to India will have to be paid for by the unit, or returned to England at the expense of the unit.

Ordinary Reliefs proceeding from India to Home Stations and Stations Abroad.

15. In the case of units proceeding from India, a similar special survey will be held by a board constituted as directed in

paragraph 3 as soon as possible after disembarkation, the date of which will be arranged for by the Inspector of Military Equipments, as in the case of units proceeding to India, referred to in paragraph 3. When the unit is proceeding to a station abroad other than to Egypt and the Mediterranean, the survey is held prior to embarkation.

16. In the case of inspections held after disembarkation, the officer commanding will produce to the board the Indian equipment ledger showing the final balances at the date of embarkation, together with copies of the Indian returns showing the condition and dates of issue of all equipment on leaving India. The necessary forms for the survey will be issued from the India Office, and should be prepared as laid down in paragraph 7 (b). When the boards of survey are held in India prior to embarkation, the procedure laid down in paragraph 22 will be followed.

17. The procedure as laid down in paragraph 12 will be followed, except that the report and detailed forms will be forwarded to the India Office, instead of to the War Office. A statement of the articles passed by the board as fit to be taken over by the Imperial Government, and which will form the first charge in the Imperial equipment ledger, will be furnished in due course to the officer commanding the unit by the Inspector of Military Equipments as a voucher to be rendered with the ledger. No obsolete articles, or articles of Indian pattern, will be passed for transfer by the board.

18. The necessary vouchers for disposal of any articles not taken over by the Imperial Government will be furnished to the officer commanding the unit by the Inspector of Military Equipments, but no steps will be taken to dispose of any articles not taken over by the Imperial Government until instructions on the subject have been received from him. On no account should such articles be returned to, or accepted by, the Army Ordnance Department for disposal, unless specific instructions to that effect are received by the officer commanding the unit and the chief ordnance officer from the Inspector of Military Equipments. Any claim against the unit for the value of any articles found deficient will be prepared by the India Office.

19. Any articles required to complete the equipment of the unit to the Imperial scale will be demanded on the usual forms immediately after the survey has been held. Should the survey be unduly delayed from any cause, an immediate report of the circumstances will be made by the General Officer or Brigadier-General in charge of administration to the War Office.

Indo-Colonial Reliefs at Imperial Expense.

20. Units which are to proceed to or from India as Indo-Colonial reliefs at Imperial expense will receive instructions to that effect. The boards of survey in these cases will be held prior to embarkation or after disembarkation, as the case may be, in accordance with the provisions of paragraph 2.

21. The procedure as laid down for ordinary reliefs in paragraphs 4 to 14 will be followed in the case of units proceeding to India.

22. When units are inspected before leaving India, only the stores

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passed by the board as fit to be taken over by the Imperial Government will be taken by the unit on leaving India, and the statement of them drawn up by the board will form the first charge in the Imperial equipment ledger, as directed in paragraph 17. In the case of units inspected after disembarkation, the procedure laid down in paragraphs 16 and 17 will be followed.

Water-bottles.

23. Water-bottles of home-service pattern will be issued to all troops proceeding to and from India, irrespective of destination. In the case of those issued to drafts they will be written off charge by certificate issue voucher by the units on the British establishment from which the men proceeded. Such vouchers will be supported by a statement showing—

- (a) the regimental number, rank, and name of each warrant officer, non-commissioned officer or man for whom a water bottle is written off charge ;
- (b) name of vessel in which they sailed ;
- (c) date of sailing ;
- (d) a certificate by the commanding officer of the unit that each man was in possession of a serviceable water bottle with strap, and carrier or carriage, on leaving the unit for embarkation.

The officer commanding the troops on board the vessel conveying the troops to India will, upon disembarkation, arrange for the whole of the water bottles and their adjuncts to be handed over, in bulk, to the Ordnance Officer, Bombay, from whom he should obtain a receipt for them. He will add to this receipt—

- (a) a certificate that a water bottle and its adjuncts, for each man embarked for India, has been handed over to the Ordnance Officer, Bombay ;
- (b) a list showing the complete units from which water bottles have been handed over, and the number from each, and, in the case of drafts, the units from which the drafts were made up, and the number of men from each ;

and will forward these documents to the War Office.

On embarking from India similar issues of home-service pattern water-bottles will be made, and a receipt given to the ordnance officer by the officer commanding the unit receiving the stores. These articles will be omitted from the valuation returns, but in the case of units proceeding to India they will be inspected by the surveying officers and those condemned will be replaced before embarkation.

Drafts proceeding to, or returning from India.

24. The arms and equipment of such drafts will be dealt with as detailed below. Care must be taken in all cases to ensure the replacement of unserviceable articles prior to embarkation. In the case of articles other than water-bottles and their adjuncts (dealt with in paragraph 23), ordinary receipt and issue vouchers will be prepared and forwarded, immediately after embarkation, to the unit or units in India to which the men have been posted.

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Master Gunners, Schoolmasters, Armourers, Amusement Artificers	Other Warrant Officers, Non-commissioned Officers and Men proceeding as "Drafts" should
Should always proceed to or return from India with the whole of the personal arms and equipment prescribed for their rank, with the exception that bags, spare field kit, will not be taken to India. Armourers tool boxes and their contents should not accompany armourers proceeding to or from India.	Under ordinary circumstances When special instructions as to arms and equipment are given by the War Office or Government of India,
A.O. 295/1906 Immediately upon embarkation for or disembarkation from India, the officer commanding unit on the British establishment (which the men leave or join, as the case may be) will forward to the War Office a return upon A.F. G 830. If in any case no equipment is brought from India a "nil" return will be sent.	Proceed to and return from India unarmed, but each should take the following items of equipment:— Water-bottles with strap, carrier or carriage for same. Haversack. Mess tin. Cover for ditto (dismounted men). Strap " " (mounted men). A return for these items need not be prepared, but if any articles other than those mentioned are taken to or brought from India, a return upon A.F. G 830 showing all such articles, with their dates of issue, must be rendered to the War Office.
Water-bottles (with straps, carriers, or carriages for same) need not be included in these returns (<i>vide</i> paragraph 23).	Proceed to or from India with such arms and equipment as may be directed. In all such cases returns on A.F. G 830 will be prepared and forwarded to the War Office; the instructions detailed in column 1 for Master Gunners, etc., being observed.

APPENDIX III. IMPERIAL TRANSPORTS AND FREIGHT SHIPS CARRYING TROOPS.

A.O. 222
1907

PROPORTION OF STORES TO BE PLACED ON BOARD BY THE ARMY ORDNANCE DEPARTMENT.

(Referred to in paragraph 122.)

All articles not specifically enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, see Admiralty Transport Regulations, a copy of which is placed on board.

TABLE I.

Description.	Proportion.	Remarks.
<i>Weedon Section.</i>		
Rifles , short, M.L.E.	10 per cent.	} Of unarmed strength on board (except invalids and time-expired men).
Sword bayonets , pattern '03	10 per cent.	
Scabbards , sword bayonet, pattern 1888	10 per cent.	
Pull-throughs	2 per cent.	
<i>Section No. 1A.</i>		
Belts , waist	10 per cent.	}
Frogs , sword bayonet	10 per cent.	
Pouches , ammunition	10 per cent.	
<i>Section No. 1B.</i>		
Bugles	1	} Per ship.
Strings , bugle	1	
<i>Section No. 9A.</i>		
Oil , petroleum, Russian, lubricating pints	2	} Per month during period of voyage.
<i>Section No. 13C.</i>		
Flannelette , Mark III .. yards	25	} Of strength on board.
Handcuffs , common .. pairs	1 per cent.	
Stretchers , ambulance	1	
FOR UNARMED TROOPS.		
<i>Section No. 27.</i>		
Cartridges , S.A. ball, '303" charger packed	60*	Per rifle: complete boxes only to be shipped.
FOR ARMED TROOPS.		
<i>Section No. 27.</i>		
Cartridges , S.A. ball, '303" charger packed (to be regarded as service ammunition)	200*	Per arm on board.

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Gen. No. 6892

* When troops are proceeding on active service a supply of S.A. ball ammunition may, if specially ordered from War Office at the time, be placed on board for musketry practice during the voyage.

TABLE 1—continued. Proportion of Stores to be placed on Board Imperial Transports.A.O. 222
1907

Description.	For use of troops.	Additional for H.P. use.	Remarks.
RECREATIVE ARTICLES.			
Section No. 13D.			
Dumb bells, short, 4 lb. pairs	12	—	
Gloves, boxing "	8	—	
Guards, hand, singlestick ..	12	—	
Helmets, singlestick	12	—	
Jackets, fencing	12	—	
Singlesticks	50	—	
NOT IN VOCABULARY.			
Section No. 13.			
Bars, horizontal.. ..	1	—	{ To be fixed under arrangements to be made between D. of T., Admiralty, and Master of vessel, not issuable to freight ships.
Backgammon board and men sets	3	2	
Chessboard and men.. ..	3	1	{ Special patterns. To be purchased locally, as required, by the C.O.O. Portsmouth.
Clubs pairs	12	—	
Dice (Cups 2, Cubes 4)	3	2	
Dominoes sets	6	1	
Draughtboard and men ..	3	2	
Punch balls	4	—	
Sandow developers .. sets	4	—	{
Solitaire board and balls sets	3	1	
CLOTHING.			
Armlets	1 per cent. of troops on board with a minimum of 4.		
Crossbelts for sentries ..	2 per cent. of troops on board with a minimum of 10.		
Gowns, blue serge, lined ..	3 per cent. of troops on board.		
Shirts, { flannel, white			
{ cotton, white			
Trousers, blue serge, lined, pairs			
Waistcoats, { blue serge, lined ..	1 per vessel.		
{ straight			

TABLE 1—continued. Proportion of Stores to be placed on Board Imperial Transports.

Description.	Per vessel.	Remarks.			
BOOKS AND PERIODICALS.					
(See footnote.)					
Books, library	vols. 300*	*Imperial Transports only. For Troop Freight ships the proportion will be:— When the No. of troops embarked does not exceed 500 } Vols. 100 When the No. of troops embarked exceeds 500 } 200			
Magazines, monthly† {	Cassell's		1		
	C. B. Fry's		1		
	Chamber's Journal		1		
	English Illustrated		1		
	The "London"		1		
	Pearson's.. .. .		1		
The "Royal"	1		When the No. of troops embarked ex-		
	The "Strand"			1	ceeds 500
	The "Windsor"			1	
	Bibles			3	
Prayer Books:—		† Complete series will be issued as published.			
Church of England	3				
Roman Catholic	3				
Presbyterian	3				
Wesleyan	3				
ARMY REGULATIONS.					
(See footnote.)					
Allowance Regulations ..	1				
Equipment Regulations					
(Part I)	1				
King's Regulations	1				
Manual of Military Law ..	1				
Priced Vocabulary of Clothing	1				
Priced Vocabulary of Stores					
(Part I).. .. .	1				
Ditto (Part II)	1				
Royal Warrant for Pay ..	1				
Admiralty Transport Regulations	1				
Army List, monthly	1				
Army Orders, Monthly {	Complete for filing, with all publications issued with Army Orders	1			
	Unbacked copies for cutting up	2			

A.O. 222
1907Z 1
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N.B.—If the initial port of departure of a vessel is elsewhere than Southampton the ordnance officer concerned will indent upon the storeholder, A.O.D., Southampton, for the books, periodicals, and regulations required.

(Eq. R. 2220)

E

A.O. 222

1907

TRANSPORT AND FREIGHT SHIPS CONVEYING HORSES.

ITEMS TO BE PLACED ON BOARD BY THE ARMY ORDNANCE DEPARTMENT.

(Referred to in paragraph 122.)

All horse gear and horse fittings not included in the following list will be supplied under arrangements to be made by the Director of Transports, Admiralty. For detail, see the Admiralty Transport Regulations, a copy of which is placed on board under Table 1.

For 6 horses and under usually proceeding with officers in ordinary troop service transports, the Admiralty will arrange for the supply of **all** fittings and stores.

TABLE 2.

Description.	Proportion.	Remarks.
<i>Section No. 2A.</i>		
Rugs , horse	1 per horse.	
<i>Section No. 5A.</i>		
Clippers , horse .. pairs	4 per 100 horses.	
<i>Section No. 7.</i>		
Shoeing tools sets	3 per ship.	
<i>Section No. 10A.</i>		
Shoes , horse sets	5 per 100 horses.	
Nails , horse shoe	20 " "	
NOT IN VOCABULARY.		
Cartridges (for Greener's Humane Killer)	50 per ship.	
Chaff cutters	1 per 100 animals or less, but none for 10 or under.	
Corn crushers	2 per 100 animals. 1 for 11 to 50 animals, none required for 10 and under.	
Greener's Humane Killer Machines , horse-clipping, hand power	1 per ship.	
	1 per vessel when the number of animals shipped does not exceed 200.	
	2 per vessel when the number of animals shipped exceeds 200.	

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Gen. No.

6808

INDIAN TRANSPORTS AND FREIGHT SHIPS CARRYING TROOPS TO AND FROM INDIA.

PROPORTION OF STORES TO BE PLACED ON BOARD BY THE ARMY ORDNANCE DEPARTMENT.

A.O. 222
1907

(Referred to in paragraph 122.)

All articles not specifically enumerated in this list—but approved for use on the voyage—will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, see Admiralty Transport Regulations, a copy of which is placed on board.

TABLE 3.

Description.	Proportion.	Remarks.
<i>Weedon Section.</i>		
Rifles , short, M.L.E.	10 per cent.	} Of unarmed strength on board except invalids and time-expired men.
Sword-bayonets , pattern '03	10 "	
Scabbards , sword-bayonet, pattern 1888	10 "	
Pull-throughs	2 "	
<i>Section No. 1A.</i>		
Belts , waist	10 "	}
Frogs , sword-bayonet.. ..	10 "	
Pouches , ammunition	10 "	
<i>Section No. 1B.</i>		
Bugles	1	} Per ship.
Strings , bugle	1	
<i>Section No. 9A.</i>		
Oil , petroleum, Russian, lubricating.. .. pints	2	{ Per month during period of voyage.
<i>Section No. 13C.</i>		
Flannelette , Mark III yds.	25	{ Per month during period of voyage. Of strength on board. Per ship.
Handcuffs , common .. pairs	1 per cent.	
Stretchers , ambulance ..	1	
FOR UNARMED TROOPS.		
<i>Section No. 27.</i>		
Cartridges , S.A., ball, '303-in., charger packed	60	Per rifle: complete boxes only to be shipped.
FOR ARMED TROOPS.		
<i>Section No. 27.</i>		
Cartridges , S.A., ball, '303-in., charger packed	200	Per arm on board.

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Gen. No.
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A.O. 222
1907

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TABLE 3—continued.—Proportion of Stores to be placed on Board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra H.F. cot accommodation.	
CLOTHING AND HOSPITAL NECESSARIES.			
Armlets	—	—	1 per cent. of troops on board with a minimum of 4.
Crossbelts for sentries ..	—	—	2 per cent. of troops on board with a minimum of 10.
Suits, { Khaki	20	36	
{ Dowlas	12	—	
ISSUED TO, AND SEPARATELY ACCOUNTED FOR UNDER THE INSTRUCTIONS OF O.C. TROOPS ON BOARD, BY THE HOSPITAL COMPOUNDERS.			
Aprons, operating	—	3	
Belts, woollen	80	160	
Drawers, flannel .. pairs	—	175	
Gowns { serge, lined	40	150	
{ flannel, union	12	24	
Handkerchiefs	—	650	
Jackets, sleeping	50	180	
Neckerchiefs	100	350	
Shirts { cotton	—	900	
{ flannel, white { ordinary	400	900	
{ tropical	—	50	
Slippers { carpet .. pairs	—	50	
{ leather	25	50	
Socks, { cotton	100	100	
{ worsted	200	400	
Trousers, { serge, lined	40	500	
{ pyjamas, sleeping			
pairs	50	100	
Waistcoats, { serge, lined ..	40	450	
{ straight	1	6	
Section No. 2A.			
Chairs, camp	—	25	
Sheets, ground	2	2	
(Eq. R. 2220)			

A.O. 222
1907

A.O. 212
1908

TABLE 3—*continued*.—Proportion of Stores to be placed on Board Indian Transports.A.O. 222
1907

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra H.P. cot accommodation.	
Section No. 9A.			
Soap, yellow bars	—	106	
Section No. 11.			
Boards, bedhead	—	100	
Brushes, { bed pan	—	3	
{ feeder	—	6	
Chairs, night, frames	2	4	
Inhalers	6	12	
Measures, glass, 4 ozs.	6	16	
Mugs, drinking, earthen	—	27	
Pans, { bed, earthen	—	12	
{ night	2	4	
Rests, bed	—	3	
Screens, bedside	—	3	
Sponges, bath	2	18	
Tumblers, $\frac{1}{2}$ pint	—	24	
Warmers, { foot.. ..	4	10	
{ stomach	4	4	
Section No. 12.			
Basins, { enamelled, $7\frac{1}{4}$ in. by	15	15	
{ " $5\frac{3}{4}$ in.	—	14	
{ zinc	6	16	
Baths, foot	3	6	
Corkscrews	—	4	
Jugs	—	12	
Kettles, cooking, nests	1	1	
Knives, opening tins	—	2	
Ladles, cooks, F.H.	2	2	
Measures, wine and spirit { 1gill	1	1	
{ $\frac{1}{2}$ "	1	1	
Pails, night	2	4	
Pannikins, pint, enamelled	—	123	
Pans, frying	2	2	
Picks, ice.. ..	—	2	

TABLE 3—continued.—Proportion of Stores to be placed on Board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra H.P. cot accommodation.	
<i>Section No. 12.</i>			
Porringers , blood	4	4	
Scissors , hair cutting .. pairs	—	3	
Shapes , pudding.. ..	12	12	
Spoons , tea	—	12	
Trays , diet, 20 diets	—	6	
<i>Section No. 13A.</i>			
Blankets , white	—	20	
Pillows , feather, hospital ..	—	12	
<i>Section No. 13c.</i>			
Cloths , {	bed pan, covering ..	—	25
	distinctive	—	25
	medicine	—	25
Towels , hospital, {	hand	400	800
	round	200	400
NOT IN VOCABULARY.			
Bottles , hot water, indiarubber	—	6	
Taps , champagne.. ..	—	2	
Trays , dressing	2	10	

A.O. 222
1907

		Per vessel.	
BOOKS AND PERIODICALS.			
(See footnote.)			
Books, library	300 vols.*		*Indian Transports only.
Magazines, Monthly†	Cassell's	1	For Troop Freight ships the proportion will be :—
	C. B. Fry's	1	When the No. of troops embarked does not exceed 500
	Chamber's Journal	1	} Vols. 100
	English Illustrated	1	
	The "London" ..	1	When the No. of troops embarked exceeds 500
	Pearson's	1	} 200
	The "Royal"	1	
	The "Strand" ..	1	
Bibles	The "Windsor" ..	1	
		50	† Complete series will be issued as published.

(EQ. R. 2220)

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TABLE 3—*continued*.—Proportion of Stores to be placed on Board Indian Transports.A.O. 222
1907

Description.	Per vessel.	Remarks.
Prayer Books—		
Church of England	50	
Roman Catholic	5	
Presbyterian	5	
Wesleyan	5	
Simple form of Prayer	500	
Hymn Books, R.C.	250	
ARMY REGULATIONS.		
<i>(See footnote.)</i>		
Allowance Regulations	1	
Equipment Regulations		
(Part I)	1	
King's Regulations	1	
Manual of Military Law	1	
Priced Vocabulary of Clothing	1	
Priced Vocabulary of Stores		
(Part I)	1	
Ditto (Part II)	1	
Royal Warrant for Pay	1	
Admiralty Transport Regns.	1	
Army List, Monthly	1	
Army Orders, Monthly {		
Complete for filing (with all publications issued with Army Orders)	1	
Unbacked for cutting up	2	
TOOLS.		
<i>Section No. 2B.</i>		
Axes, pick, complete	155	
Shovels, G.S.	236	
<i>Weedon Section.</i>		
Boxes, tool, filled, regimental armourers	1	

N.B.—If the initial port of departure of a vessel is elsewhere than Southampton, the ordnance officer concerned will indent upon the storeholder, A.O.D., Southampton, for the books, periodicals, and regulations required.

APPENDIX IV.

(Referred to in paragraphs 283 and 285.)

TOOLS FOR ARMOURERS.

A.O. 178
1906

The following is a complete list of the tools required by armourers for the care and repair of Rifles, M.L.M. and M.L.E., including Rifles, short, M.L.E. :—

Description.	Quantity allowed.	Remarks.
<i>Weedon Section.</i>		
Boxes { tool, empty, regimental armourers	1	
oilstone, dust, Mark II (containing 6 oz.)	1	
† Anvil , stock, butt, M.R.	1	} Gunmetal; for attaching butts.
* " " " R.S. M.L.E.	1	
Awls , blades, armourers	2	
Braces , armourers	1	
Braces, armourers, bits {	countersink, rose	1
	rimmer { half-round	1
	4-square	1
	5 "	1
	screw-driver { butt plate, screw	1
	stick, cleaning chamber, .303-in. arms; also for cutter, countersink cart-ridge head, M.M. and M.E.	1
	stock-bolt, M.L.M. rifle	1
	spoon (with washer)	1
	* Bushes , stop rod, cleaning .303-in., No. 2	1
	Cans , oil, lubricating, armourers	1
Chisels , hand, cold {	$\frac{1}{2}$ in. $\times$ 7 in.	1
	$\frac{3}{8}$ " $\times$ 7 "	1
Clams {	armourers vice, standing, 36-lb., pairs	1
	armourers { cork-lined "	1
	vice, parallel { buff-lined "	1
Corks , clam (single)	4	
Drifts , fore-end, {	Mark I*	1
	" II	1

Those marked * are special for Rifles, short, M.L.E., and those marked † are not required for Rifles, short, M.L.E.

Tools for Armourers—*continued.*

			A.O. 178. 1906
Description.	Quantity allowed.	Remarks.	
<i>Weedon Section.</i>			
Drifts {	magazine, catch-pin, M.L.M.	1	
	*pin, fixing, stud, head, catch, slide, sight, back, R.S. M.L.E.	1	
	*pin, fixing, washer, pin, axis, sight, back, R.S. M.L.E.	1	
	sight axis pin, M.L.M.	1	
	wire, small	1	
Drivers, screw {	armourers { large	2	
	{ small	1	
	extractor, axis, M.L.M.	1	
	dial sight M.L.M.	1	
	nut, screw, grip, sword-bayonet, pattern 1888, Mark III	1	
Floats, fore-end, {	*nut, bolt, sword-bayonet, pattern 1903	1	
	No. 1 (large)	1	
	M.L.M. rifle { No. 2 (medium)	1	
	{ .064 in.	1	
	{ .074 in.	1	
Gauges, armourers {	distance of bolt from end of chamber, M.L.M.		This also serves as a gauge, cartridge, dummy, M.M., for testing loading and firing positions of M.M. and M.E. arms.
	hammer projection and radius of point	1	
	pistol, Webley { distance of cylinder from face of body, rejecting	1	
	striker, point, pattern C	1	
	.303-in., Mark I....	†	
	plug, { .307-in., Mark I....	†	Tapped to fit on rod, plug, or handle, plug; all .303-in. arms, and guns, Maxim, .303-in. Tapped to fit on rod, plug; guns, Maxim, .303-in. Tapped to fit on rod, plug, or handle, plug; all .303-in. arms.
	{ .308-in., Mark I....	†	

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Those marked * are special for Rifles, short, M.L.E.

† To be obtained from Army Ordnance Department when required by circuit and district armourers at home and abroad.

Tools for Armourers—*continued.*

A.O. 178 1906	Description.	Quantity allowed.	Remarks.
Gauges, armourers,	<i>Weedon Section.</i>		
	{ plug, {	....	† Tapped to fit on rod, plug, or handle, plug; all .303-in. arms, and guns, Maxim, .303-in.
	{ lead, Mark I ....	....	
	{ rod, plug, Mark I ....	....	† Tapped to fit on rod, plug, or handle, plug; all .303-in. arms and guns, Maxim, .303-in.
	{ handle, plug, Mark I ....	....	† Screwed to fit in plugs; all magazine arms, and guns, Maxim, .303-in.
	{ projection of stock-bolt through body, R.S. M.L.E.	1	† Screwed to fit in plugs; all M.M. and M.E. arms. 1 For all magazine arms fitted with stock - bolt keeper plate.
Implements,	{ M.L.M., pattern D† action { R.S. M.L.E.*	1 1	{ Armourers of mounted corps only. Pattern of mandril to follow pattern of scabbard in possession.
A.O. 212 1908	Mallets, scabbard sword cavalry	1	
	Mandrills, scabbard sword	1	Pattern 1888, Land, Mark II* and Naval, Mark I; Pattern 1903, Land, Mark I; and pattern 1903, Naval Marks I, II and III. Also patterns 1903, Land and Naval.
Mandrills,	{ blocking, { Mark I leather { Mark II	1 1	
	{ scabbard, sword-bayonet, pattern 1888	1	
	{ locket	1	
	{ tip (or chape)	1	
Muzzle guides	{ sight protector, pattern B†	1	Remove the nose cap before attaching the muzzle guide.
	{ carbine, cavalry, .303-in. and rifle, short M.L.E.	1	
Pincers, armourers	{ rifle and carbine, artillery, .303-in.†	1	
	Planes, smoothing, armourers	1	

Those marked * are special for Rifles, short, M.L.E., and those marked † are not required for Rifles, short, M.L.E.

† Not required when bush stop, rod cleaning, and rod cleaning No. 2 are in possession.

Tools for Armourers—*continued.*

Description.		Quantity allowed.	Remarks.	A.O. 178 1906
<i>Weedon Section.</i>				
Plates, screw,	{ 6 taps, 6 holes sets	1		
	{ 20 taps, 20 holes "	1		A.O. 58 1903
Plugs,	{ plain, .303-in. arms	1	Tapped at end to fit on rod.	
clearing	{ split, M.L.M. rifle....	1		
Pots, glue, ½-pint	....	1		
Pressers, extractor, spring, M.L.M. rifle	....	1	To be replaced by "tool, extractor spring," when store is exhausted.	
Rods, cleaning, .303-in.	{ No. 1	1	For jute, suitable for rifle and carbine.	
	{ No. 2	1	For use with brass wire, rifle. Can be used for M.L.E. short rifles, only when fitted with "Bush, stop, rod, No. 2."	
	{ No. 3	1	For use with brass wire, carbine.	
	{ *No. 4†	1	For use with brass wire; rifles, short, M.L.E.	A.O. 295 1906
Rods, cleaning, cylinder, pistol, Webley	....	1	For use with brass wire.	
Saws, slitting, 7½-in.	....	1		
†Scriber, tool, sight line, rifle	....	—	This should be made by armourer.	
* " " " " R.S. M.L.E.	....	1		
Sticks	{ buff	3		
	{ cleaning cham-ber, .303-in.	1		
	{ arms } gauze, wire, pieces	1		
Stones, oil	{ armourers	1		
	{ slips, Arkansas, large	1		
Testers, trigger, pull, M.L.M. rifle, Mark II	....	1		
*Tools, adjusting, foresight, R.S. M.L.E. :—				
Cramp, Mark I	....	1		
Punch, centre, Mark I	....	1		

Those marked * are special for Rifles, short, M.L.E., and those marked † are not required for Rifles, short, M.L.E.

† Not required when bush stop, rod cleaning, and rod cleaning No. 2 are in possession.

Tools for Armourers—continued.

A.O. 178 1906	Description.	Quantity allowed.	Remarks.
A.O. 17 1907	Tools, alteration of cocking pieces, R.S.M.L.E.:		
	Broaches	2	One in handle and one spare
	Taps	3	One in handle and two spare
	Tools, recessing	1	In handle.
	{ extractor spring	1	To replace "presser, ex- tractor, spring," when the store of the latter is used up.
	{ bow, armourers drilling { boxes	1	
	{ breastplates, armourers	2	
	{ drills sets	1	5 to a set.
	{ stocks	1	
	{ strings, armourers, knots	2	
	{ clearing, bits { screw	1	
	{ '303 in. spoon	1	
	{ bush, bit, screw	1	
	{ rod, No. 2	1	Screwed at end to take clearing bits and plugs.
	{ removing and replacing pro- tectors, front sight, Nos. 1 and 2	1	
	{ handguard, No. 2	1	
	{ striker, pattern A or B	1	
	{ *striker, R.S. M.L.E.	1	
	{ wad stock, bolt	1	
	{ *plate, keeper, screw, wind gauge, R.S. M.L.E.	1	
	{ †rifle	1	
	{ †'03-in. left	1	For rifles, M.L.E., Marks I and I*, and rifles, M.L.M., Marks II and II*, fitted with barrels having Enfield rifling, with fore- sight, '05 in. left - leaf marked with a * on right bottom corner.
	{ sight line		
	{ *R.S. M.L.E., No. 1	1	
	{ R.S. M.L.E., No. 2	1	For rifles, short, M.L.E., Mark III and converted Mark IV

Those marked * are special for rifles, short, M.L.E., and those marked † are not required for rifles, short, M.L.E.

A.O. 17
1907

Description.	Quantity allowed.	Remarks.
<i>Weedon Section.</i>		
Vice, parallel, regimental armourers	1	For Mark II box only.
+ Wrench, removing screw, bolt-head (M.L.M. rifle, Mark I*) with 3 spare screwdrivers	—	To be obtained on loan from A.O.D. if required.
<i>Section No. 7.</i>		
Awls, handles, brad, small	2	
Chisels, firmer { $\frac{3}{4}$ -in.... ..	1	
{ $\frac{1}{2}$ „	1	
{ $\frac{1}{4}$ „	1	
{ flat 6-in.	2	
{ half-round { 10 „ 2		
{ { 8 „ 1		
{ { 6 „ 2		
{ { 4 „ 2		
Files, bastard { pillar 6 „ 1		
{ round { 8 „ 1		
{ { 4 „ 2		
{ { 3 „ 2		
{ hand, safe- { 10 „ 2		
{ edge { 8 „ 2		
{ 3-square, 6-in. 2		
Files, dead smooth, 3-square, 6-in. 1		
{ flat 6 „ 1		
{ half-round { 8 „ 1		
{ { 6 „ 2		
{ { 4 „ 1		
Files, smooth { pillar 6 „ 2		
{ { 3 „ 1		
{ hand, safe- { 8 „ 2		
{ edge { 6 „ 1		
{ 3-square { 5 „ 1		
{ { 4 „ 2		
Gimlets, common, Nos. 2, 3, and 5 3		
Gouges, firmer { $\frac{3}{4}$ -in. 1		
{ $\frac{1}{2}$ „ 1		
{ $\frac{1}{4}$ „ 1		
Hammers, riveting { 24-oz. 1		
{ 4 „ 1		
Handles, file { large 6		
{ small 6		

Those marked † are not required for Rifles, short, M.L.E.

Tools for Armourers—*continued.*

A.O. 17 1907	Description.	Quantity allowed.	Remarks.
<i>Section No. 7.</i>			
	Irons , soldering, tinmans, small	1	
	Pliers , flat nose pairs	1	
	Rasps , second cut, half-round, 9-in....	1	
	Saws , hand, 23½-in.	1	
	Vices , hand, 16-oz.	1	

TOOLS FOR CIRCUIT ARMOURERS.

The following additional tools will be supplied to armourers when they become circuit armourers:—

A.O. 178 1906	<i>Weedon Section.</i>		
	Blocks, depressing, lever, M.M. ...	1	
	Boxes, component, empty, circuit armourers	1	
	Braces, armourers, bits, screw-driver, stop nut	1	
	Cutters, countersink, cartridge, head, M.M. and M.E.	1	
	Drifts, { fore-end, M.M.	1	
	{ wire, large	1	
	Gauges, armourers, cartridge, head, M.M. and M.E.	1	
	Mallets, scabbard sword cavalry ...	1	
A.O. 212 1908	Mandrills, scabbard sword—		
	staff { patt. '89	1	
	serjeants { patt. '97 and '98	1	
	{ Mark I	1	
	cavalry { Mark II. (also for		
	patt. '85 { patt. '99 and house-		
	{ hold cavalry patt.		
	{ '92)	1	
	Plates, screw, 6 taps, 3 holes.... set	1	
	Punches, depressing lever	1	
	Rasps, fine, half-round, 9-in.	1	
	Stakes, { horns of lever....	1	
	armourers { lever for tumbler	1	
	Stones, oil, slips, Arkansas, small ...	1	
	Stamps, { 5/16-in. figures, 0 to 8 set	1	
	steel, for { 5/16-in. letters	1	
	metal. { dash lines, 1/2-in.	1	

**REFERENCE GAUGES, &c., TO BE KEPT AT ORDNANCE
DÉPÔTS.**

A.O. 178
1906

These gauges are not on any account to be used for working purposes. They are to be employed solely for the periodical verification of the working gauges in the hands of regimental or departmental armourers.

Description.	Remarks.
Gauges, Armourers :—	
Distance of bolt from end of chamber M.L.M. { .064-in.	This also serves as a gauge cart-ridge, dummy, M.M. for testing, loading and firing positions of M.M. and M.E. arms.
{ .074-in.	
Plug { .303 in. Mark I	Tapped to fit on rod, plug or handle plug; all .303 in. arms, and guns, Maxim .303 in.
{ .308 in. Mark I	Tapped to fit on rod, plug, or handle, plug; all .303 in. arms.
{ .309 in. Mark I	Tapped to fit on rod, plug, or handle, plug; all .303 in. arms and guns, Maxim .303 in.
{ lead, Mark I	Tapped to fit on rod, plug, or handle, plug; all .303 in. arms and guns, Maxim .303 in.
Testers, trigger, pull, Mark II	

A.O. 302
1907

A.O. 58
1908

The above gauges will be kept at the Army Ordnance Dépôts at stations shown in the first column of the following table :—

Stations where reference gauges are kept.	Stations from which gauges will be forwarded for testing.
Home—	
Aldershot.	
Burscough.	
Colchester.	
Devonport.	
Dover	Chatham area.
Dublin (Island Bridge)	{ Haulbowline area.
	{ Curragh area.
	{ Belfast area.
Enfield Lock (Chief Inspector of Small Arms ...	{ London District.
Portsmouth	{ Woolwich area.
Stirling.	Channel Isles.
Tidworth.	
York.	

57
Southern
628

Reference Gauges, &c., Depôts—*continued.*

A.O. 178

1906

Stations where reference gauges are kept.	Stations from which gauges will be forwarded for testing.
Abroad—	
Bloemfontein	{ Cape Town. Pretoria. Mauritius.
Gibraltar.	
Hong Kong	
Jamaica	{ Ceylon. Singapore. Bermuda. Cairo.
Malta ...	
Sierra Leone.	

TOOLS FOR REPAIR OF BICYCLES.

(I) To be supplied for each armourer in possession of the certificate mentioned in paragraph 427(a):—

*Bits, screwdriver, butt-plate screw	....	....	....	1	
Brushes, camel hair { $\frac{1}{2}$ -inch'....	....	....	....	2	
1 „ ....	....	....	....	2	
Hammers, copper, 10-oz.	....	....	....	1	
Injector, paraffin	....	....	....	1	
Scissors, rounded points	....	....	pair	1	
Spanners {	box {	hexagon	....	....	1
		square	....	....	1
	B.S.A. {	thick	....	....	1
		thin	....	....	1
	nipple	....	....	....	1
	valve nut	....	....	....	1

(II) To be obtained when required, on loan from the nearest Army Ordnance Depôt, or, when the unit is not situated within a reasonable distance of an Army Ordnance Depôt, to be issued—under the same conditions as (I) above—upon written authority from the general officer commanding:—

Clamps, chain	....	....	....	....	1
Dies, spoke {	13-gauge	....	....	....	1
	14 „	....	....	....	1
Erector	....	....	....	....	1
Files {	bastard, safe-edge, 6-inch, handled	....	....	....	1
	second cut, half-round, 4-inch, handled	....	....	....	1
	smooth, round, 4-inch, handled	....	....	....	1
Gauge for wheel	....	....	....	....	1
Holder for spoke dies	....	....	....	....	1

* For removing pedal pins. Before use $\frac{3}{16}$ inch should be ground off the screwdriver end to give it a stouter edge.

Tools for repair of Bicycles—*continued.*

Moulds for vice-clams	pair	1
Noses for stand, wheel, erecting	”	1
Pliers , punch (for leather) ....	....	1
Pots , cooking, oval, 2 gallons ....	....	2
Punches , rivet, for chain ....	....	1
Stands , wheel, erecting ....	....	1
Stocks and dies (dies, 10; taps, 10) for B.S.A. threads	set	1
Straight-edges for testing frames ....	....	1
Straighteners , crank ....	....	1

A.O. 194
1907

APPENDIX V.

(Referred to in paragraphs 288 and 290.)

SETS OF TOOLS.

Description.							Page.
Chests, tools, filled	No. 1A	....	....	....	....	....	122
	” 1B	....	....	....	....	....	123
	” 5A	....	....	....	....	....	124
	” 3B	....	....	....	....	....	126
	” 3C	....	....	....	....	....	128
	” 4A	....	....	....	....	....	131
	” 5A	....	....	....	....	....	132
	” 6A	....	....	....	....	....	136
	” 7	....	....	....	....	....	137
	” 11A	....	....	....	....	....	138
	” 11B	....	....	....	....	....	139
	” 11E	....	....	....	....	....	140
	” 12A	....	....	....	....	....	142
	” 12C	....	....	....	....	....	143
	” 12D	....	....	....	....	....	143
	” 13A	....	....	....	....	....	144
	bricklayers and masons	....	....	....	....	....	145
	carpenters	....	....	....	....	....	148
	” and wheelers	....	....	....	....	....	148
	coopers	....	....	....	....	....	149
	farriers and shoeing smiths	....	....	....	....	....	150
	painters and glaziers	....	....	....	....	....	154
	plumbers	....	....	....	....	....	154
	smiths	....	....	....	....	....	151

Sets of Tools—*continued.*

Description.						Page.
Chests , stocks and dies, Whitworth thread	{	1½-inch to ¼-inch	....	....	....	155
		1 " " ⅜ "	....	....	....	157
		A.S.C.	....	....	....	168
Forge and shoeing tools	{	other units	....	....	....	167
			....	....	....	133
Panniers , tool, filled, saddlers	{		....	....	....	133
		B.A. standard, G.S.	....	....	....	158
Tools , screw cutting	{	bolt and nut	{	“A”	....	158
				“B”	....	159
				“C”	....	160
				“D”	....	161
			{	“A”	....	162
				“B”	....	163
				“C”	....	163
				“D”	....	164
		{	brass and copper tube, Mark I	....	....	166
			iron and steel tube, Mark II	....	....	165

CHEST, TOOL, FILLED, No. 1A.

(Bricklayers and Masons, General Service, except for Royal Engineers.)

To be replaced when used up by Chests, tool, filled, Bricklayer's and Masons.

§14002

L. of C.

Description.										No.
<i>Section No. 7.</i>										
Chests , tool, empty, No. 1.										1
Bars , setting										1
Bevels , wood blade, 15-inch										1
Chisels	{	brick	24-inch	....	....	....	....	....	....	1
			18 "	....	....	....	....	....	....	1
			12 "	....	....	....	....	....	....	1
			2½ "	....	....	....	....	....	....	1
			2 "	....	....	....	....	....	....	1
			1½ "	....	....	....	....	....	....	1
			1 "	....	....	....	....	....	....	1
			Hammers , masons	{	chisel point, 5-lb.					
mash ....	....	....			....	....	....	....	1	
spalling, 10-lb.	....	....			....	....	....	....	1	

Chest, Tool, Filled, No. 1A (Bricklayers and Masons)—*contd.*

Description.							No.
<i>Section No. 7.</i>							
Levels , F. S., 2-ft. 6-in. ....	....	....	....	....	....	....	1
Lines , bricklayers ....	....	....	....	....	....	....	1
Pins , line ....	....	....	....	....	....	.... pairs	1
Points , masons ....	....	....	....	....	....	....	2
Rules { G.S., 4-fold ....	....	....	....	....	....	....	1
{ masons, plumb ....	....	....	....	....	....	....	1
Squares , smiths, 2 ft. × 1 ft. ....	....	....	....	....	....	....	1
Trowels { bricklayers, 12-inch ....	....	....	....	....	....	....	1
{ masons ....	....	....	....	....	....	....	1
{ plasterers, set ....	....	....	....	....	....	....	1
<i>Section No. 11.</i>							
Brushes , whitewash, hair { 9-oz. ....	....	....	....	....	....	....	1
{ 6,, ....	....	....	....	....	....	....	1
The undermentioned are not carried in the chest, and will be separately demanded, charged, and accounted for.							
<i>Section No. 7.</i>							
Sieves , masons ....	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 1B.

(Bricklayers and Masons, Regimental.)

To be replaced when used up by Chests, tool, filled, Bricklayers and Masons.§14002
L. of C.

Description.							No.
<i>Section No. 7.</i>							
Chests , tool, empty, No. 1 ....	....	....	....	....	....	....	1
(BRICKLAYERS TOOLS.)							
Chisels , brick { 24-inch ....	....	....	....	....	....	....	1
{ 18,, ....	....	....	....	....	....	....	1
{ 12,, ....	....	....	....	....	....	....	1
Trowels { bricklayers, pointing { cross joint ....	....	....	....	....	....	....	1
{ tuck ....	....	....	....	....	....	....	1
{ plasterers, set ....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 1B (Bricklayers and Masons)—*contd.*

Description.								No.
(MASONS TOOLS.)								
<i>Section No. 7.</i>								
Bars, setting ....	....	....	....	....	....	....	....	1
Bevels, wood blade, 12-inch ....	....	....	....	....	....	....	....	1
Chisels, masons	2½-inch ....	....	....	....	....	....	....	1
	2 " " ....	....	....	....	....	....	....	1
	1½ " " ....	....	....	....	....	....	....	1
	1¼ " " ....	....	....	....	....	....	....	1
Hammers, masons, mash ....	....	....	....	....	....	....	....	1
Lines, bricklayers ....	....	....	....	....	....	....	....	1
Pins, line ....	....	....	....	....	....	....	pairs	1
Points, masons ....	....	....	....	....	....	....	....	2
Rules	{ carpenters, common ....	....	....	....	....	....	....	1
	{ masons, plumb ....	....	....	....	....	....	....	1
Trowels, masons ....	....	....	....	....	....	....	....	1
The undermentioned are not carried in the Chest, and will be separately demanded, charged, and accounted for : —								
(BRICKLAYERS TOOLS.)								
<i>Section No. 7.</i>								
Hods, mortar ....	....	....	....	....	....	....	....	2
Levels, wood, 5 feet ....	....	....	....	....	....	....	....	2
Sieves, masons....	....	....	....	....	....	....	....	1
Squares, masons ....	....	....	....	....	....	....	....	2
(MASONS TOOLS.)								
<i>Section No. 7.</i>								
Levels, wood, 10 feet....	....	....	....	....	....	....	....	1
Squares, masons ....	....	....	....	....	....	....	....	1

CHEST, TOOL, FILLED No. 3A.

(Carpenters, G.S.)

To be replaced when used up by Chests, tool, filled, Carpenters and Wheelers.

\$14032
L. of C.

Description.								No.
<i>Section No. 7.</i>								
Chests, tool, empty, No. 3 ....	....	....	....	....	....	....	....	1
Adzes, carpenters	{ handles ....	....	....	....	....	....	....	1
	{ heads....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 3A (Carpenters, G.S.)—continued.

Description.										No.
Section No. 7.										
Augers	shell	1 $\frac{1}{4}$ -inch							1	
		1 $\frac{1}{8}$ "							1	
		1 "							1	
		$\frac{7}{8}$ "							1	
		$\frac{5}{8}$ "							1	
	$\frac{1}{2}$ "	....	....	....	....	....	....	1		
	handles	16-inch							1	
13 $\frac{1}{2}$ "		....	....	....	....	....	....	1		
12 "		....	....	....	....	....	....	1		
Awls	blades, brad	....	....	....	....	....	....	12		
	handles, brad	large	....	....	....	....	....	2		
small		....	....	....	....	....	....	2		
Axes, carpenters, 6 $\frac{1}{2}$ -lb. 1										
Bags, tool, carpenters 1										
Bevels, steel blade, 12-inch 1										
Braces, carpenters, with 24 bits* 1										
Chisels	firmer, handled	1 $\frac{1}{4}$ -inch	....	....	....	....	....	1		
		1 "	....	....	....	....	....	1		
		$\frac{3}{4}$ "	....	....	....	....	....	1		
		$\frac{1}{2}$ "	....	....	....	....	....	1		
	hand, cold	1 inch $\times$ 8 $\frac{1}{2}$ -inches	....	....	....	....	....	1		
		$\frac{3}{4}$ " $\times$ 8 "	....	....	....	....	....	1		
mortice, $\frac{1}{4}$ -inch 1										
Compasses, wing, 10-inch pairs 1										
Drivers, screw, G.S.	14-inch	....	....	....	....	....	....	1		
	6 "	....	....	....	....	....	....	1		
Files	bastard	half-round, 14-inch	....	....	....	....	....	2		
		round 14 "	....	....	....	....	....	1		
	saw, taper, 2nd cut, single	5 $\frac{1}{2}$ "	....	....	....	....	....	4		
4 "		....	....	....	....	....	4			
Gauges, carpenters	marking	....	....	....	....	....	....	1		
	mortice	....	....	....	....	....	....	1		
Gimlets, common	No. 1	....	....	....	....	....	....	1		
	" 3	....	....	....	....	....	....	1		
	" 5	....	....	....	....	....	....	1		
Gouges, handled,	firmer	$\frac{3}{8}$ -inch	....	....	....	....	....	1		
		$\frac{1}{2}$ "	....	....	....	....	....	1		
		$\frac{3}{4}$ "	....	....	....	....	....	1		
	pecking, 1-inch	....	....	....	....	....	....	1		

* Detail of bits:

Detail of bits:		centre, 1 $\frac{1}{4}$, 1, $\frac{3}{4}$, $\frac{1}{2}$, $\frac{3}{8}$, $\frac{1}{4}$, and $\frac{3}{16}$ -inch	...	...	...	...	7
Braces, carpenters, bits	countersink	flat	...	...	...	...	1
		rose	...	...	...	...	1
	dowling, sash	...	...	...	...	...	1
	gouge, $\frac{1}{16}$, $\frac{3}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{3}{8}$, and $\frac{1}{2}$ -inch	...	...	...	...	...	6
	nose, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{3}{8}$, and $\frac{1}{2}$ -inch	...	...	...	...	...	5
	rimer, square	...	...	...	...	...	1
	screwdriver	...	...	...	...	...	1
	taper...	...	...	...	...	...	1

Chest, Tool, Filled, No. 3A (Carpenters, G.S.)—*continued.*

Description.										No.
<i>Section No. 7.</i>										
Hammers , riveting, 24-oz. ....	....	....	....	....	....	....	....	....	....	1
Handles , file {	middling	....	....	....	....	....	....	....	....	2
	small	....	....	....	....	....	....	....	....	2
Lines , carpenters	....	....	....	....	....	....	....	....	....	1
Mallets , carpenters	....	....	....	....	....	....	....	....	....	1
Pencils , carpenters	....	....	....	....	....	....	....	....	....	6
Pincers , carpenters	....	....	....	....	....	....	....	....	pairs	1
Planes {	jack, double iron	....	....	....	....	....	....	....	....	1
	plough	....	....	....	....	....	....	....	....	1
	rabbet, skew	....	....	....	....	....	....	....	....	1
	smoothing, G.S.	....	....	....	....	....	....	....	....	1
Pots , glue, 1-quart	....	....	....	....	....	....	....	....	....	1
Punches , carpenters, small	....	....	....	....	....	....	....	....	....	1
Rasps , rough, half-round, 12-inch	....	....	....	....	....	....	....	....	....	1
Reels , carpenters line	....	....	....	....	....	....	....	....	....	1
Rules , carpenters, common	....	....	....	....	....	....	....	....	....	1
Saws {	compass	....	....	....	....	....	....	....	....	1
	hand, 26-inch	....	....	....	....	....	....	....	....	1
	tenon, 19-inch	....	....	....	....	....	....	....	....	1
Sets , saw, hand	....	....	....	....	....	....	....	....	....	1
Shaves , spoke 3¼-inch	....	....	....	....	....	....	....	....	....	1
Spanners , McMahon, 15-inch	....	....	....	....	....	....	....	....	....	1
Squares , carpenters, 9-inch	....	....	....	....	....	....	....	....	....	1
Stones , {	oil, carpenters	....	....	....	....	....	....	....	....	1
	rag	....	....	....	....	....	....	....	....	1
<i>Section No. 9A.</i>										
Chalk , white	....	....	....	....	....	....	....	....	lbs.	¼
<i>Section No. 11.</i>										
Brushes , paint, sash tool, No. 6	....	....	....	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 3B.
(Carpenters, Regimental.)

*Packed in Two No. 3 Chests, and forming One Set.
To be replaced when used up by Chests, tool, filled, Carpenters
and Wheelers.*

§14002
L. of C.

Description.										No.
<i>Section No. 7.</i>										
Chests , tool, empty, No. 3	....	....	....	....	....	....	....	....	....	2
Adzes , carpenters {	handles	....	....	....	....	....	....	....	....	2
	heads	....	....	....	....	....	....	....	....	2

Chest, Tool, Filled, No. 3B (Carpenters, Regimental)—*continued.*

Description.										No.
Section No. 7.										
Augers	shell	1 $\frac{1}{4}$ -inch	....	....	....	....	....	....	....	1
		$\frac{7}{8}$ "	....	....	....	....	....	....	....	1
		$\frac{5}{8}$ "	....	....	....	....	....	....	....	1
		$\frac{1}{2}$ "	....	....	....	....	....	....	....	1
	handles	16-inch	....	....	....	....	....	....	....	1
13 $\frac{1}{2}$ "		....	....	....	....	....	....	....	1	
12 "		....	....	....	....	....	....	....	1	
Awls	blades, brad	....	....	....	....	....	....	....	....	12
	handles, brad	{ large	....	....	....	....	....	....	....	2
		{ small	....	....	....	....	....	....	....	2
Axes, hand, 3-lb.			....	....	....	....	....	....	....	2
Bags, tool, carpenters			....	....	....	....	....	....	....	2
Bevels, steel blade, 12-inch			....	....	....	....	....	....	....	2
Braces, carpenters, with 24 bits*			....	....	....	....	....	....	....	2
Chisels	firmer, handled	1 $\frac{1}{4}$ -inch	....	....	....	....	....	....	....	2
		1 $\frac{1}{4}$ "	....	....	....	....	....	....	....	2
		1 "	....	....	....	....	....	....	....	2
		$\frac{3}{4}$ "	....	....	....	....	....	....	....	2
		$\frac{1}{2}$ "	....	....	....	....	....	....	....	2
		$\frac{3}{8}$ "	....	....	....	....	....	....	....	2
	hand, cold	$\frac{3}{4}$ -inch	x 8 inches	....	....	....	....	....	....	3
		mortice	$\frac{1}{4}$ "	....	....	....	....	....	....	2
	Compasses, common, 7-inch									pairs	2
Drivers, screw, G.S.	14-inch		....	....	....	....	....	....	....	2
	6 "		....	....	....	....	....	....	....	2
Files	bastard	flat, 14-inch		....	....	....	....	....	....	2
		half-round, 14-inch		....	....	....	....	....	....	2
		round, 14-inch		....	....	....	....	....	....	2
	saw, taper, 2nd cut single	{ 5 $\frac{1}{2}$ -inch		....	....	....	....	....	....	3
{ 4 "		....	....	....	....	....	....	3		
Gauges, carpenters	marking	....	....	....	....	....	....	....	....	2
	mortice	....	....	....	....	....	....	....	....	2
Gimlets, common	No. 1	....	....	....	....	....	....	....	....	1
	" 3	....	....	....	....	....	....	....	....	1
	" 5	....	....	....	....	....	....	....	....	1
Gouges, handled	firmer	1-inch		....	....	....	....	....	....	2
		{ $\frac{3}{4}$ "		....	....	....	....	....	....	2
		{ $\frac{1}{2}$ "		....	....	....	....	....	....	2
	pecking, 1-inch	....	....	....	....	....	....	....	....	2

* Detail of bits:—

Detail of bits:—		centre, 1½, 1, ¾, ⅝, ⅜, and ⅙-inch	...	...	...	...	7
Braces, carpenters, bits	{	countersink { flat ...	...	...	...	...	1
		{ rose ...	...	...	...	...	1
		dowling sash ...	...	...	...	...	1
		gouge, ⅞, ⅝, ⅜, ⅙, and ⅙-inch	...	...	...	...	6
		nose, ⅝, ⅜, ⅙, and ⅙-inch	...	...	...	...	5
		rimmer, square	...	...	...	...	1
		screwdriver	...	...	...	...	1
	{ taper ...	...	...	...	...	1	

Chest, Tool, Filled, No. 3B (Carpenters, Regimental) ÷ *continued.*

Description.							No.
<i>Section No. 7.</i>							
Hammers	{ claw	28-oz.	....	....	....	....	2
		20 "	....	....	....	....	1
		riveting, 8-oz.	....	....	....	....	2
Lines , carpenters	....	....	....	....	....	....	2
Mallets , carpenters	....	....	....	....	....	....	2
Pencils , carpenters	....	....	....	....	....	....	9
Pincers , carpenters	....	....	....	....	....	pairs	2
Planes	{	jack, double iron	....	....	....	....	2
		plough	....	....	....	....	1
		smoothing, G.S.	....	....	....	....	2
Pliers , side cutting, 7-inch	....	....	....	....	....	pairs	1
Pots , glue, 1-quart	....	....	....	....	....	....	1
Punches , carpenters, small	....	....	....	....	....	....	2
Rasps , rough, half-round, 12-inch	....	....	....	....	....	....	1
Reels , carpenters line	....	....	....	....	....	....	2
Rules , carpenters, common	....	....	....	....	....	....	2
Saws	{	dovetail, brass back	....	....	....	....	2
		hand, 26-inch	....	....	....	....	2
		tenon, 14-inch	....	....	....	....	2
Sets , saw, hand	....	....	....	....	....	....	2
Shaves , spoke, 3¼-inch	....	....	....	....	....	....	2
Spanners , McMahon, 15-inch	....	....	....	....	....	....	2
Squares , carpenters, 9-inch	....	....	....	....	....	....	2
Stones , oil, carpenters	....	....	....	....	....	....	2
<i>Section No. 9A.</i>							
Chalk , white	....	....	....	....	....	lb.	½
<i>Section No. 11.</i>							
Brushes , paint, sash tool, No. 6	....	....	....	....	....	....	2

CHEST, TOOL, FILLED, No. 3c.

(Wheelers and Saddletreemakers, General Service, except for Royal Horse and Royal Field Artillery and Royal Engineers.)

To be replaced when used up by Chests, tool, filled, Carpenters and Wheelers.

§140C2

L. of C.

Description.							No.
<i>Section No. 7.</i>							
Chests , tool, empty, No. 3	....	....	....	....	....	....	1
Adzes , carpenters	{	heads	....	....	....	....	1
		handles	....	....	....	....	1

Chest, Tool, Filled, No. 3c (Wheeler, &c.)—continued.

Description.										No.
Section No. 7.										
Augers	shell	1½-inch							1	
		1⅝							1	
		1							1	
		7⁄8							1	
		¾							1	
		3⁄8							1	
	1⁄2	....	....	....	....	....	....	1		
handles	16-inch	....	....	....	....	....	....	1		
	13½	....	....	....	....	....	....	1		
	12	....	....	....	....	....	....	1		
Awls	blades, brad	....	....	....	....	....	....	12		
	handles, brad	large	....	....	....	....	....	2		
small		....	....	....	....	....	....	2		
Axes, wheelers, 7-lbs.		....	....	....	....	....	....	1		
Bags, tool, carpenters		....	....	....	....	....	....	1		
Bevels, steel blade, 12-inch		....	....	....	....	....	....	1		
Braces, carpenters, with 24 bits*		....	....	....	....	....	....	1		
Chisels	firmer, coachmakers handled	1½-inch	....	....	....	....	....	1		
		1¼	....	....	....	....	....	1		
		1	....	....	....	....	....	1		
		¾	....	....	....	....	....	1		
		5⁄8	....	....	....	....	....	1		
		3⁄4	....	....	....	....	....	1		
	hand, cold	....	1 inch × 8½ inches	....	....	....	....	1		
		....	¾ inch × 8 inches	....	....	....	....	1		
	mortice, ¼-inch		....	....	....	....	....	1		
	Compasses, wing, 10-inch							pairs	1	
Drivers, screw,	14-inch	....	....	....	....	....	....	1		
	G.S.	6	....	....	....	....	....	1		
Files	bastard	half-round, 14-inch	....	....	....	....	....	2		
		round, 14	....	....	....	....	....	1		
	saw, taper, 2nd cut single	5½-inch	....	....	....	....	....	4		
		4	....	....	....	....	4			
Gauges, carpenters	marking	....	....	....	....	....	....	1		
	mortice	....	....	....	....	....	....	1		
Gimlets, common	No. 1	....	....	....	....	....	....	1		
	3	....	....	....	....	....	....	1		
	5	....	....	....	....	....	....	1		

* Detail of bits:—

Braces, carpenters, bits	{		centre, 1½, 1, 7/8, 3/4, 5/8, 1/2, and 3/8-inch							7
	{		countersink { flat... ..							1
			{ rose							1
	{		dowling sash							1
	{		gouge, 7/8, 3/4, 5/8, 1/2, 3/8, and 1/4-inch							6
	{		nose, 3/8, 1/2, 3/4, 5/8, and 3/4-inch							5
	{		rimer, square							1
	{		screwdriver... ..							1
	{		taper... ..							1
	{		.....							1

Chest, Tool, Filled, No. 3c (Wheeler, &c.)—*continued.*

Description.							No.
<i>Section No. 7.</i>							
Gouges , handled	{	firmer	$\frac{5}{8}$ -inch	....	....	....	1
			$\frac{1}{2}$ "	....	....	....	1
			$\frac{3}{8}$ "	....	....	....	1
		pecking	1-inch	....	....	....	1
Hammers , riveting	{	24-oz.....	....	....	....	....	1
		16 " ....	....	....	....	....	1
		saddleseat	....	....	....	....	1
Knives , drawing, carpenters....			....	....	....	....	1
Lines , carpenters			....	....	....	....	1
Mallets , carpenters			....	....	....	....	1
Pencils , carpenters			....	....	....	....	6
Pincers , carpenters			....	....	....	.... pairs	1
Planes	{	jack, double iron	....	....	....	....	1
		plough	....	....	....	....	1
		rabbet, skew	....	....	....	....	1
		smoothing, G.S.	....	....	....	....	1
Pots , glue, 1-pint			....	....	....	....	1
Punches , carpenters, small			....	....	....	....	1
Rasps , rough, half-round, 12-inch			....	....	....	....	1
Reels , carpenters line			....	....	....	....	1
Rules , carpenters, common			....	....	....	....	1
Saws	{	compass	....	....	....	....	1
		dovetail, brass back....	....	....	....	....	1
		hand, 26-inch	....	....	....	....	1
		tenon, 19-inch	....	....	....	....	1
Sets , saw, hand			....	....	....	....	1
Shaves , spoke, $3\frac{1}{4}$ -inch			....	....	....	....	1
Spanners , McMahon, 15-inch			....	....	....	....	1
Squares , carpenters, 9-inch....			....	....	....	....	1
Stones	{	oil, carpenters	....	....	....	....	1
		rag	....	....	....	....	1
Vices , bench, saddletreemakers			....	....	....	....	1
<i>Section No. 9A.</i>							
Chalk , white			....	....	....	.... lb.	$\frac{1}{4}$
<i>Section No. 11.</i>							
Brushes , paint, sash tool, No. 6			....	....	....	....	1

CHEST, TOOL, FILLED, No. 4A.

(Carpenters, G.S.)

To be replaced when used up by Chests, tool, filled, Carpenters.

§14002

L. of C.

Description.						No.
<i>Section No. 7.</i>						
Chests , tool, empty, No. 4	....	....	....	....	....	1
Adzes , carpenters	{ handles	....	....	....	....	1
	{ heads	....	....	....	....	1
	{ 2-inch	....	....	....	....	1
	{ screw, common* 1	..	29 inches long	....	....	1
		3/4	..	....	....	1
Augers	{ handles	{ 18-inch	....	....	....	1
		{ 16	..	....	....	1
		{ 13 1/2	..	....	....	1
Awls	{ blades, brad (Nos. 2, 4 and 6)	....	....	....	....	3
	{ handles, brad { large	....	....	....	....	1
		{ small	....	....	....	2
Baskets , tool, web handled	....	....	....	....	....	1
Chisels , hand, cold, 3/4 inch x 8 inches	....	....	....	....	....	1
Compasses , wing, 10-inch	....	....	....	....	pairs	1
Drivers , screw G.S., 12-inch	....	....	....	....	....	1
Files , saw, taper, 2nd cut, single	{ 9-inch	....	....	....	....	2
	{ 5 1/2-inch	....	....	....	....	3
Gimlets , common	{ No. 1	....	....	....	....	1
	{ .. 2	....	....	....	....	1
	{ .. 3	....	....	....	....	1
Hammers , riveting, 24-oz.	....	....	....	....	....	1
Handles , file, small	....	....	....	....	....	2
Knives , drawing, carpenters	....	....	....	....	....	1
Lines , carpenters	....	....	....	....	....	1
Pencils , carpenters	....	....	....	....	....	6
Pincers , carpenters	....	....	....	....	pairs	1
Punches , carpenters, small	....	....	....	....	....	1
Reels , carpenters line	....	....	....	....	....	1
Rules , G.S., 4-fold	....	....	....	....	....	2
Saws , hand, 26-inch	....	....	....	....	....	1
Sets , saw, hand	....	....	....	....	....	1
Shaves , spoke, 3 1/4-inch	....	....	....	....	....	1
Spanners , McMahon, 15-inch	....	....	....	....	....	1
Squares , carpenters, 9-inch	....	....	....	....	....	1
Stones , rag	....	....	....	....	....	1
<i>Section No. 9A.</i>						
Chalk , white	....	....	....	....	lbs.	1/4
<i>Section No. 10A.</i>						
Locks , pad, iron, 2-inch	....	....	....	....	....	1

* Or augers, solid wing-eyed in lieu.

CHEST, TOOL, FILLED, No. 5A.

(Saddlers.)

Description.										No.	
Section No. 7.											
Chests, tool, empty, No. 5										1	
Aprons, basil, brown										1	
Awls	blades	buckling	5-inch							3	
			4							3	
										2	
		drawing								2	
			garnishing	2½-inch							2
				2							2
		harness		3							3
			2½							4	
			2½							4	
			2½							4	
	pannel	2							3		
		7							2		
		5½							2		
		handles	drawing								4
harness									4		
pannel									4		
Bones, hollow										1	
Chisels, hand, cold, ¾ inch x 8 inches										1	
Clams, saddlers										1	
Claws, nail										1	
Compasses, common, 7-inch										1	
Creases { double										1	
{ single										1	
Drivers, screw, G.S., 6-inch										1	
Gimlets, common, No. 6										1	
Hammers { riveting, 8-oz.										1	
{ saddlers										1	
Holdalls, saddlers										1	
Irons { collar, plugging*										1	
{ 12-stitch										1	
{ pricking { 7										1	
{ 5										1	
{ gauge-plough										1	
Knives { half-round										1	
{ head										1	
{ trimming										1	
Lead, punching, saddlers, 4-lb										1	
Mallets { collar										1	
{ tinmans										1	

* Or 23-inch in lieu.

Chest, Tool, Filled, No. 5A (Saddlers)—*continued.*

Description.							No.
Section No. 7.							
Needles,	{	collar, half-moon	{ 6½-inch	....	....	....	1
			{ 5½ "	....	....	....	1
			{ 4½ "	....	....	....	1
		darning, 4-inch	....	....	....	....	6
		harness	....	....	....	....	75
	{	saddlers	sewing	....	....	....	50
			stitching	....	....	....	25
Palms, saddlers		....	....	....	....	....	1
Pincers, saddlers		....	....	....	....	pairs	1
Pliers, flat nose		....	....	....	....	"	1
Punches, oval	{	No. 31	....	....	....	....	1
		" 28	....	....	....	....	1
		" 24	....	....	....	....	1
		" 23	....	....	....	....	2
		" 22	....	....	....	....	2
		" 21	....	....	....	....	2
Punches, spring,	{	" 20	....	....	....	....	2
		cutters (of sizes)	....	....	....	....	1
			....	....	....	....	4
Rasps, shoemakers, 10-inch		....	....	....	....	....	1
Rules, G. S., 4-fold		....	....	....	....	....	1
Scissors, tailors		....	....	....	....	pairs	1
Shaves, saddlers		....	....	....	....	....	1
Spikes, marline, steel, 9-inch		....	....	....	....	....	1
Sticks, stuffing		....	....	....	....	....	1
Thimbles, tailors		....	....	....	....	....	2
Tools, edge	{	No. 2	....	....	....	....	1
		" 3	....	....	....	....	1
Section No. 12.							
Stones, rub, scythe		....	....	....	....	....	1

PANNIER, TOOL, FILLED, SADDLERS.

Description.							No.
<i>Section No. 7.</i>							
Pannier, tool, empty, saddlers	....	....	....	....	....	....	1
Aprons, basil, brown	....	....	....	....	....	....	1
Awls, blades	{	buckling, 4-inch	....	....	....	....	3
		" 5 "	....	....	....	....	3
		drawing	....	....	....	....	2

Description.		No.	
<i>Section No. 7.</i>			
Awns,	{ blades handles { garnishing, 2$\frac{1}{4}$-inch " 2 " { 3-inch 2$\frac{3}{4}$ " 2$\frac{1}{2}$ " 2$\frac{1}{4}$ " 2 " " 5$\frac{1}{4}$ " drawing harness pannel	2	
		2	
		3	
		4	
		4	
		4	
		3	
		2	
		2	
		4	
Bones, hollow....		1	
Chisels, hand, cold, $\frac{3}{4}$ -inch $\times$ 8-inch		1	
Clams, saddlers	pairs	1	
Claws, nail		1	
Compasses, common, 7-inch	pairs	1	
Creases,	double	1	
	single	1	
Drivers, screw, G.S., 6-inch....		1	
Gimlets, common, No. 6		1	
Hammers,	riveting, 8 oz.	1	
	saddlers	1	
Holdalls, saddlers		1	
Irons,	collar, plugging	1	
	pricking	12-stitch	1
		7 "	1
	5 "	1	
Knives,	gauge, plough	1	
	half round	1	
	head	1	
	trimming	1	
Lead, punching, saddlers, 4-lb.	piece	1	
Mallets,	collar	1	
	tinmans	1	
Needles,	collar, { 6 $\frac{1}{2}$ -inch	1	
	half { 5 $\frac{1}{2}$ "	1	
	moon { 4 $\frac{1}{2}$ "	1	
	darning, 4 "	6	
	harness....	75	
	saddlers { sewing stitching	50	
		25	
Palms, saddlers		1	
Pincers, saddlers	pairs	1	
Pliers, flatnose	"	1	
Punches, oval,	No. 31	1	
	No. 28	1	
	No. 24	1	
	No. 23	2	

Pannier, Tool, Filled, (Saddlers)—*continued.*

Description.										No.
Section No. 7.										
Punches	{	oval,	No. 22							2
			No. 21							2
			No. 20							2
			spring							1
			cutters	(of sizes)						4
Rasps, shoemakers,				10-inch						1
Rules, G.S., 4-fold										1
Scissors, tailors									pairs	1
Shaves, saddlers										1
Spikes, marline, steel,				9-inch						1
Sticks, stuffing										1
Thimbles, tailors										2
Tools, edge	{	No. 2								1
		No. 3								1
Section No. 10.										
Locks, pad, brass,				1½-inch						1
Section No. 12.										
Stones, rub, scythe										1
The undermentioned material, taken from the supply allowed in Appendix X, Part I, of Equipment Regulations, will also be carried in the pannier with the tools when required :—										
Section No. 6.										
Basils, brown	{	strained								1
		unstrained								1
Buckles, iron,	{	barred,	1½-inch, curved							3
			1½-inch (head collar)							3
		double	1	„						3
			7	„						6
			1½	„	bow leg					3
single	1½	„	„					3		
Felt, brown (or numnah)				cuttings					lbs.	1
Hair, horse, saddlery									„	3
Hides, brown, backs, collar										3½
Rings, iron, 1½-inch, slight										3
Serge, saddlers									yards	1
Studs, wallet										6
Thread	{	flax, fine							lbs.	16
		whited, brown							„	16
Web, hemp, 3-inch (straining)									yards	2
Section No. 8.										
Twine, quilting									lbs.	16
Section No. 9.										
Wax, bees									lbs.	16
Wax, black									„	16

CHEST, TOOL, FILLED, No. 6A.

(Coopers, General Service.)

\$14002

L. of C.

To be replaced when used up by Chests, tool, filled, Coopers.

Description.							No.
<i>Section No. 7.</i>							
Chests, tool, empty, No. 6	...	...	...	...	...	...	1
Adzes, coopers	{	notching	...	...	...	...	1
		rounding	...	...	...	...	1
Axes, coopers	...	...	...	...	...	...	1
Borers, bung	...	...	...	...	...	...	1
Chisels, hand, cold, 1 inch × 8½ inches	...	...	...	...	...	...	1
Chives, coopers, 7¼-inch	...	...	...	...	...	...	1
Compasses, wing, 12-inch	...	...	...	...	...	pairs	1
Drivers, coopers, socket, iron	...	...	...	...	...	...	1
Files, saw, taper, 2nd cut single, 5½-inch	...	...	...	...	...	...	2
Hammers	...	{	coopers, hand, 3½-lb.	...	...	...	1
			riveting, 8-oz.	...	...	...	1
Irons, bick upon wood	...	...	...	...	...	...	1
Jiggers, coopers	...	...	...	...	...	...	1
Jointers, F.S.	...	...	...	...	...	...	1
Knives	...	{	cramming	...	...	...	1
			drawing, coopers	...	...	...	1
Pincers, carpenters	...	...	...	...	...	pairs	1
Punches, coopers, small	...	...	...	...	...	...	1
Rules, coopers	...	...	...	...	...	...	1
Saws, hand, 26-inch	...	...	...	...	...	...	1
Shaves, coopers	...	{	inside cask	...	...	...	1
			outside cask	...	...	...	1
			round....	...	...	...	1
			coopers	...	...	...	1
Stocks	...	{	croze	...	...	...	1
			barrel	...	...	...	1
			pail	...	...	...	1
Stones, oil, carpenters	...	...	...	...	...	...	1
Vices, screw, iron	...	...	...	...	...	...	1

CHEST, TOOL, FILLED, No. 7.

(Farriers and Shoeing Smiths, General Service.)

To be replaced when used up by Chests, tool, filled, Farrier and Shoeing Smiths.

Description.							No.
<i>Section No. 7.</i>							
Chests, tool, empty, No. 7							1
FORGE TOOLS.							
Chisels, farriers, handled							1
Cresses, farriers { No. 1							1

* Renewable quarterly.

CHEST, TOOL, FILLED, No. 11A.

(Smiths, General Service.)

To be replaced when used up by Chests, tool, filled, Smiths.§14002
L. of C.

Description.										No.
Section No. 7.										
Chests, tool, empty, No. 11										1
Braces, smiths										1
Braces, smiths, bits { countersink, rose										1

* Or saws, hack. in lieu.

Chest, Tool, Filled, No. 11A (Smiths, General Service)—*contd.*

Description.							No.
<i>Section No. 7.</i>							
Tongs, smiths	{	forebit	....	....	....	.... pairs	1
		forge, large	....	....	....	.... "	1
		hollow bit	....	....	....	.... "	1
		plier	....	....	....	.... "	1
Tools, bow, drilling	{	bows, smiths	....	....	....	....	1
		boxes	....	....	....	....	2
		breast-plate, smiths	....	....	....	....	1
		drills	....	....	....	.... sets	1
		stocks	....	....	....	....	1
Vices, hand, 16-oz.	{	strings, smiths	....	....	....	.... knots	2
			....	....	....	....	1

CHEST, TOOL, FILLED, No. 11D.

(Smiths, Regimental.)

To be replaced when used up by Chests, tool, filled, Smiths.

Description.							No.	\$14002 L. of C.
<i>Section No. 7.</i>								
Chests, tool, empty, No. 11	....	....	....	....	....	....	1	
Aprons, basil, white	....	....	....	....	....	....	2	
Bags, tool, farriers	....	....	....	....	....	....	1	
Braces, smiths	{	....	....	....	....	....	1	
		bits	countersink, rose	....	....	....	1	
			rimer	half-round	....	....	1	
				square	....	....	1	
Callipers, 10-inch	....	....	....	....	....	.... pairs	1	
Chisels	{	farriers, handled	....	....	....	....	1	
		smiths, cold	....	....	....	....	1	
Compasses, wing, 10-inch	....	....	....	....	....	.... pairs	1	
Drivers, screw, G.S.	{	14-inch	....	....	....	....	1	
		6 "	....	....	....	....	1	
Files, bastard	{	flat	14-inch	....	....	....	1	
			10 "	....	....	....	1	
			8 "	....	....	....	1	
		half-round	14 "	....	....	....	1	
			10 "	....	....	....	1	
		round	12 "	....	....	....	1	
			8 "	....	....	....	1	
		three-square	12 "	....	....	....	1	

(Eq. R. 2220)

F 3

Chest, Tool, Filled, No. 11D (Smiths, Regimental)—*contd.*§14002
L. of C.

Description.								No.
<i>Section No. 7.</i>								
Hammers	{ farriers	{ shoeing	....	....	....	....	....	1
		{ sledge, 9½-lbs.	....	....	....	....	....	1
	{ smiths, hand, 3-lbs.	....	....	....	....	....	....	1
Handles , file, middling	....	....	....	....	....	....	....	3
Knives	{ drawing, farriers	....	....	....	....	....	....	1
	{ searching, "	....	....	....	....	....	....	1
Pincers , farriers	....	....	....	....	....	....	pairs	1
Pliers , flat nose	....	....	....	....	....	....	"	1
Pokers , smiths	....	....	....	....	....	....	....	1
Punches , smiths	{ cold	....	....	....	....	....	....	1
	{ hot	{ ½-inch	....	....	....	....	....	1
		{ ¾ "	....	....	....	....	....	1
Rasps , farriers, 16-inch	....	....	....	....	....	....	....	1
Saws , cutting metal, 10-inch	....	....	....	....	....	....	....	1
Slices , farriers	....	....	....	....	....	....	....	1
Spanners , McMahon, 15-inch	....	....	....	....	....	....	....	1
Stamps , farriers	....	....	....	....	....	....	....	1
Tongs	{ farriers, turning, small	....	....	....	....	....	pairs	1
	{ smiths, forge, small	....	....	....	....	....	"	1
	{ bows, smiths	....	....	....	....	....	....	1
	{ boxes	....	....	....	....	....	....	1
Tools , bow, drilling	{ breast-plate, smiths	....	....	....	....	....	....	1
	{ drills	....	....	....	....	....	sets	1
	{ stocks	....	....	....	....	....	....	1
	{ strings, smiths	....	....	....	....	....	knots	1
Vices , hand, 16-oz.	....	....	....	....	....	....	....	1

N.B.—Anvils, bellows, and standing vices, being fixtures, are a part of the building.

CHEST, TOOL, FILLED, No. 11E.

(Carriage Smiths, R.A., Garrison.)

To be replaced when used up by Chests, tool, filled, Smiths.§14002
L. of C.

Description.								No.
<i>Section No. 7.</i>								
Chest , tool, empty, No. 11	....	....	....	....	....	....	....	1
Aprons , basil, brown	....	....	....	....	....	....	....	2
Braces , smiths	....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 11E (Carriage Smiths, &c.)—*ccntd.*

Description.										No.	
Section No. 7.											
Braces	{	smiths,	{	countersink, rose	....	....	....	....	1		
				bits	rimer	{ half-round					1
						{ square					1
				ratchet	{ 18-inch						1
				strong, drills (No. 1 to 11), 1½-inch to ¼-inch						sets	1
Callipers, 10-inch										pairs	1
Chisels	{	hand, cold	{	1 inch × 8½ inches	....	....	....	....	1		
				¾ inch × 8 inches	....	....	....	....	1		
		rivet-head	....	....	....	....	....	....	....	1	
											smiths
				hot	....	....	....	....	....	1	
Compasses, wing, 10-inch										pairs	1
Cutter, anvil, flat, smiths, 2-inch											1
Drivers, screw, G.S.	{	14-inch	{	14-inch	....	....	....	....	1		
				6	....	....	....	....	1		
				....	....	....	....	....	....	2	
				....	....	....	....	....	....	2	
Files, bastard	{	flat	{	14-inch	....	....	....	....	....	1	
				10	....	....	....	....	....	1	
				8	....	....	....	....	....	1	
		half-round	{	14-inch	....	....	....	....	....	1	
				10	....	....	....	....	....	1	
				....	....	....	....	....	....	1	
		round	{	12-inch	....	....	....	....	....	1	
				8	....	....	....	....	....	1	
				....	....	....	....	....	....	1	
		three-square	{	12-inch	....	....	....	....	....	1	
7	....			....	....	....	....	1			
Flatters, smiths				....	....	....	....	....	....	1	
Fullers	{	bottom	{	smiths	....	....	....	....	....	1	
				top							1
Hammers	{	fitters	{	24-oz.	....	....	....	....	....	1	
				32	....	....	....	....	....	1	
				hand, 3-lb.	....	....	....	....	....	1	
				smiths	{ sledge, 10-lb.						1
				uphand, 7-lb.	....	....	....	....	....	1	
Handles, file	{	large	{	....	....	....	....	....	....	2	
				small							1
Plates, screw, B.A. standard				....	....	....	....	....	....	1	
Pliers, side-cutting, 7-inch										pairs	1
Punches	{	centre	{	4½-inch	....	....	....	....	....	1	
				smiths, hot	{ ½-inch						1
				....	....	....	....	....	....	1	
Rods, smiths, iron											4
Rules, carpenters, common											1
Saws, cutting metal*	{	10-inch	{	....	....	....	....	....	....	1	
				blades, 10-inch	....	....	....	....	....	1	

* Or saws, hack, in lieu.

Chest, Tool, Filled, No. 11E (Carriage Smiths, &c.)—*contd.*

§14002 L. of C.	Description.	No.
<i>Section No. 7.</i>		
Snaps	hand, riveting { $\frac{7}{16}$ -inch	1
	{ $\frac{1}{2}$ " "	1
	{ $\frac{3}{4}$ " "	1
	{ $\frac{1}{2}$ " "	1
	{ $\frac{3}{8}$ " "	1
Spanners, McMahon, 15-inch		1
Squares, smiths, 2 feet $\times$ 1 foot		1
Stones, oil, smiths		1
Tongs, smiths	fore bit	1
	forge, large	1
	hollow bit	1
	plier	1
Travellers		1
Vices, hand, 16-oz.		1
<i>Section No. 13C.</i>		
Cloths, sponge		4
<i>Miscellaneous.</i>		
Handbook, military artificers		1

CHEST, TOOL, FILLED, No. 12A.

(Whitesmiths or Tinmans, General Service.)

To be replaced when used up by Chests, tool, filled, Plumbers.

§14002 L. of C.	Description.	No.
<i>Section No. 7.</i>		
Chests, tool, empty, No. 12		1
Awls, scoring, steel		1
Compasses, common, 7-inch		1
Groovers, tinmans, small		1
Hammers, tinmans, block, 3 lbs. 6 oz.		1
Hooks, shave, $1\frac{1}{2}$-inch		1
Irons, soldering, tinmans, large		2
Knives, laboratory		1
Mallets, tinmans		1
Pots, fire, tinmans		1

(Whitesmiths or Tinmans, Regimental.)

§14002
L. of C.

Description.	No.
<i>Section No. 7.</i>	
Chests, tool, empty, No. 12	1
Awls, scoring, steel	1
Compasses, common, 7-inch pairs	1
Groovers, tinmans, small	1
Hammers, tinmans { creasing, 10-oz.	1
{ riveting, 16-oz.	1
Hooks, shave, 1½-inch	1
Irons, soldering, tinmans, large	2
Knives, laboratory	1
Mallets, tinmans	1
Pots, fire, tinmans	1

(Plumbers, Painters, and Glaziers, Regimental.)

§14002
L. of C.

Description.	No.
<i>Section No. 7.</i>	
Chests, tool, empty, No. 12	1
Bosses, plumbers, 2½-inch	1
Cans, paint { 7½ inches diameter	1
" " { 7 "	1
Chisels, smiths, cold	1
Compasses, wing, 10-inch pairs	1
Diamonds, glaziers, small	1
Hammers, pairs	1
claw { 28-oz.	1
{ 14-oz.	1
Hooks, shave, 1½-inch	1
Irons, soldering, plumbers { 4-lb.	1
{ 1½ "	1

Chest, Tool, Filled, No. 12b (Plumbers, Painters, &c.)—*contd.*§14002
L. of C.

Description.								No.
<i>Section No. 7.</i>								
Knives	{ cutting	....	....	....	....	....	....	1
	{ hacking	....	....	....	....	....	....	1
	{ palette, 9-inch	....	....	....	....	....	....	1
	{ stopping	....	....	....	....	....	....	1
Ladles , melting, 1-pint	....	....	....	....	....	....	....	1
Mallets , plumbers	....	....	....	....	....	....	....	1
Pipes , blow, 12-inch	....	....	....	....	....	....	....	1
Pliers	{ gas, 6-inch	....	....	....	....	....	pairs	1
	{ round-nose	....	....	....	....	....	....	1
Pots , melting	....	....	....	....	....	....	....	1
Rules , glaziers	{ 2-ft.	....	....	....	....	....	....	1
	{ T, 2-ft. 6-in.	....	....	....	....	....	....	1
Tongs , gas fitters	{ 2-inch	....	....	....	....	....	pairs	1
	{ 1½ "	....	....	....	....	....	....	1
	{ 1 "	....	....	....	....	....	....	1
	{ ¾ "	....	....	....	....	....	....	1
	{ ½ "	....	....	....	....	....	....	1
<i>Section No. 11.</i>								
Brushes , paint	{ oval	....	....	....	....	....	....	3
	{ sash tool	{ No. 2	....	....	....	....	....	1
		{ " 4	....	....	....	....	....	1
		{ " 6	....	....	....	....	....	1

CHEST, TOOL, FILLED, No. 13A.

(Painters, General Service.)

§14002
L. of C.*To be replaced when used up by Chests, tool, filled, Painters and Glaziers.*

Description.								No.
<i>Section No. 7.</i>								
Chests , tool, empty, No. 13....	....	....	....	....	....	....	....	1
Brushes , sable, writing	{	crow, large	....	....	....	....	....	1
		duck, large	....	....	....	....	....	1
		goose { large	....	....	....	....	....	1
			small	....	....	....	....	1
Cans , paint { 7½ inches diameter	....	....	....	....	....	....	....	1
	{ 7	....	....	....	....	....	....	1
Knives	{	palette, 9-inch	....	....	....	....	....	1
		stopping	....	....	....	....	....	1
Pots , writing	....	....	....	....	....	....	....	1

Chest, Tool, Filled, No. 13A (Painters, G.S.)—*contd.*

Description.							No.
<i>Section No. 11.</i>							
Brushes, paint	{	oval	....	....	....	....	2
		unground, 000	....	....	....	....	2
		sash tool { No. 2	....	....	....	....	2
		„ 6	....	....	....	....	2

CHEST, TOOL, FILLED, BRICKLAYERS AND MASONS.

To replace Chests, tool, filled, Nos. 1A, 1B, and 2 when used up.

\$14002
L. of C.

Description.										No.
<i>Section No. 7.</i>										
Chests, tool, empty, No. 2										1
Bars, setting										1
Bevels, wood blade, 12-inch										1
Bolsters, bricklayers, 4½-inch										1
Chisels, hand, cold, 1 inch × 12 inches										1
Compasses, wing, 7-inch										1
										pairs
Hammers, masons { chisel, point, 5-lb.										1

N.B.—The undermentioned tools are not carried in the chest, and if required will be separately demanded, charged, and accounted for:—

Axes, pick, 4½-lb., head, with helve.
Hods, mortar.
Levels, wood, 5 or 10 feet.
Shovels, G.S.
Sieves, masons.
Squares, masons.

CHEST, TOOL, FILLED, CARPENTERS AND WHEELERS.

To replace Chests, tool, filled, Nos. 3A, B, C, E, F and J, and
No. 6D, when used up.

§14002
L. of C.

Description.		No.
<i>Section No. 7.</i>		
Chests, tool, empty, No. 3	....	1
Adzes, carpenters, Mark III	....	1
Aprons, canvas, white	....	2
Augers	{ 1 $\frac{1}{4}$ -inch	1
	{ 1 $\frac{1}{16}$ " 29 inches long	1
	{ 1 " 29 inches long	1
	{ 7/8 " 29 inches long	1
	{ 3/4 " 29 inches long	1
	{ 1/2 " 29 inches long	1
	{ 16-inch	1
	{ 13 $\frac{1}{2}$ "	1
	{ 12 "	1
	{ handles	1
Awls	{ blades, brad	12
	{ handles, brad { large	2
	{ handles, brad { small	2
Axes, hand, 3-lb.	....	1
Baskets, tool, web-handled	....	1
Bevels, steel blade, slotted, 10$\frac{1}{2}$-inch	....	1
Braces, carpenters, ratchet, with 24 bits	....	1
Callipers, 5-inch	 pairs	1
Cans, oil, lubricating, G.S.	....	1
Chisels	{ cross cut, 7 inches by 1 inch	2
	{ 1 $\frac{1}{2}$ -inch	1
	{ 1 $\frac{1}{4}$ "	1
	{ 1 " 29 inches long	1
	{ firmer, coachmakers { 7/8 " 29 inches long	1
	{ firmer, coachmakers { 3/4 " 29 inches long	1
	{ firmer, coachmakers { 1/2 " 29 inches long	1
	{ hand, cold, 3/4 inch by 8 inches	2
	Compasses, wing, 7-inch	1
	{ 5/16-inch	1
Drifts, steel, round	{ 7/16 " 29 inches long	1
	{ 9/16 " 29 inches long	1
	{ 1 1/16 " 29 inches long	1
	{ 1 3/16 " 29 inches long	1
	{ 1 5/16 " 29 inches long	1
Drivers, screw, G.S.,	{ 14-inch	1
	{ 6 " 29 inches long	1
	{ flat, 14-inch	1
	{ half round, 14-inch	1
	{ round { 10-inch	1
Files	{ bastard { 6 " 29 inches long	1
	{ three square, 14-inch	1
	{ saw, taper, second cut, single { 5 1/2-inch	4
	{ 4 " 29 inches long	4

Chest, Tool, Filled, Carpenters and Wheelers—*continued.*

Description.										No.
Section No. 7.										
Gauges, carpenters		{	marking	....	....	....	....	....	1	1
			mortice	....	....	....	....	....	1	1
Gimlets, twist		{	No. 1	....	....	....	....	....	1	1
			No. 3	....	....	....	....	....	1	1
			No. 5	....	....	....	....	....	1	1
Gouges, handled, firmer		{	1-inch	....	....	....	....	....	1	1
			$\frac{3}{4}$ "	....	....	....	....	....	1	1
			$\frac{1}{2}$ "	....	....	....	....	....	1	1
Hammers		{	carpenters	....	....	....	....	....	1	1
			fitters { 32-oz.	....	....	....	....	....	1	1
			16 "	....	....	....	....	....	1	1
			8 "	....	....	....	....	....	1	1
			handles, No. 6	....	....	....	....	....	1	1
Handles, file		{	middling	....	....	....	....	....	2	1
			small....	....	....	....	....	....	1	1
Knives, drawing, carpenters....				....	....	....	....	....	1	1
Lines, carpenters				....	....	....	....	....	1	1
Mallets, carpenters				....	....	....	....	....	1	1
Pencils, carpenters				....	....	....	....	....	6	1
Pincers, carpenters				....	....	....	....	.... pairs	1	1
Planes		{	jack, double iron	....	....	....	....	....	1	1
			plough	....	....	....	....	....	1	1
			rabbet, skew	....	....	....	....	....	1	1
			smoothing, G.S.	....	....	....	....	....	1	1
Pliers, side-cutting, 8-inch,		{	Mark III	....	....	....	....	.... pairs	1	1
			cutters, Mark III	....	....	....	....	....	2	1
Pots, glue, 1 pint				....	....	....	....	....	1	1
Punches		{	carpenters, small	....	....	....	....	....	1	1
			centre, 4 $\frac{1}{2}$ -inch....	....	....	....	....	....	1	1
Rasps, rough, half round, 12-inch				....	....	....	....	....	1	1
Reels, carpenters line				....	....	....	....	....	1	1
Rules, G.S., 4-fold				....	....	....	....	....	1	1
Saws		{	compass	....	....	....	....	....	1	1
			dovetail, brass back....	....	....	....	....	....	1	1
			hand, 26-inch	....	....	....	....	....	1	1
			tenon, 14-inch	....	....	....	....	....	1	1
Scribers				....	....	....	....	....	1	1
Sets, saw, hand				....	....	....	....	....	1	1
Shaves, spoke, 3 $\frac{1}{4}$ -inch				....	....	....	....	....	1	1
Spanners, adjustable, 15-inch				....	....	....	....	....	1	1
Squares, carpenters, 9-inch				....	....	....	....	....	1	1
Stones, oil		{	carpenters	....	....	....	....	....	1	1
			slips, turkey	....	....	....	....	....	1	1
Tongs, wheelers, fitters				....	....	....	....	.... pairs	1	1
Section No. 9.										
Chalk, white				....	....	....	....	....	lb.	$\frac{1}{4}$

Chest, Tool, Filled, Carpenters and Wheelers—continued.

§14002 L. of C.	Description.	No.
	<i>Section No. 11.</i>	
	Brushes, paint, sash, tool, No. 6	1
	<i>Section No. 13.</i>	
	Cloths, sponge	4
	<i>Miscellaneous.</i>	
	Handbooks, military artificers	1

CHEST, TOOL, FILLED, CARPENTERS.

To replace Chests, tool, filled, No. 4A; when used up.

\$14002 L. of C.	Description.	No.
	<i>Section No. 7.</i>	
	Chests, tool, empty, No. 4	1
	Adzes, carpenters, Mark III	1
	Aprons, canvas, white	2
	Augers { screw, solid wing, eyed { 1½-inch	1
	{ " " 29 inches long	1
	{ " "	1
	{ handles { 16-inch	1
	{ { 13¼ "	1
	{ { 12 "	1
	{ blades, brad (Nos. 2, 4, and 6)	3
	Awls { handles, brad { large	1
	{ { small	2
	Baskets, tool, web-handled	1
	Braces, carpenters, ratchet, with 24 bits	1
	Chisels { firmer, coachmakers { 1½-inch	1
	{ " " 8 inches	1
	{ hand, cold, ¾-inch × 8 inches	1
	Compasses, wing, 7-inch pairs	1
	Drivers, screw, G.S., 12-inch	1
	Files { bastard, hand, safe-edge, 12-inch	1
	{ saw, taper, second cut, single { 5½-inch	3
	{ " " 4 "	3
	Gimlets, twist { No. 1	1
	{ No. 3	1
	{ No. 5	1

Chest, Tool, Filled, Carpenters—*continued.*

Description.										No.
<i>Section No. 7.</i>										
Hammers	{	carpenters	....	....	....	....	....	....	....	1
		riveting, 24-oz.	....	....	....	....	....	....	....	1
Handles, file	{	middling	....	....	....	....	....	....	....	1
		small	....	....	....	....	....	....	....	2
Knives, drawing, carpenters			....	....	....	....	....	....	....	1
Lines, carpenters			....	....	....	....	....	....	....	1
Mallets, carpenters			....	....	....	....	....	....	....	1
Pencils, carpenters			....	....	....	....	....	....	....	6
Pincers, carpenters			....	....	....	....	....	....	pairs	1
Planes, jack, double, iron			....	....	....	....	....	....	....	1
Punches, carpenters, small			....	....	....	....	....	....	....	1
Reels, carpenters, line			....	....	....	....	....	....	....	1
Rules, G.S., 4-fold			....	....	....	....	....	....	....	2
Saws	{	hand, 26-inch	....	....	....	....	....	....	....	1
		tenon, 14-inch	....	....	....	....	....	....	....	1
Sets, saw, hand			....	....	....	....	....	....	....	1
Shaves, spoke, 3¼-inch			....	....	....	....	....	....	....	1
Spanners, adjustable, 15-inch			....	....	....	....	....	....	....	1
Squares, carpenters, 9-inch			....	....	....	....	....	....	....	1
Stones, oil carpenters			....	....	....	....	....	....	....	1
Tips, oil			....	....	....	....	....	....	....	1
<i>Section No. 9.</i>										
Chalk, white			....	....	....	....	....	....	lb.	¼
<i>Section No. 10.</i>										
Locks, pad, iron, 2-inch			....	....	....	....	....	....	....	1

CHEST, TOOL, FILLED, COOPERS.

To replace, Chest, tool, filled, No. 6A, when used up.

Description.										No.	§14002 L. of C.
<i>Section No. 7.</i>											
Chests, tool, empty, No. 6			....	....	....	....	....	....	....	1	
Adzes, coopers	{	notching, Mark II	....	....	....	....	....	....	....	1	
		rounding, Mark II	....	....	....	....	....	....	....	1	
		trussing	....	....	....	....	....	....	....	1	
Aprons, canvas, white			....	....	....	....	....	....	....	2	
Axes coopers, Mark II			....	....	....	....	....	....	....	1	
Bore's, bung			....	....	....	....	....	....	....	1	

Chest, Tool, Filled, Coopers—*continued.*§14002
L. of C.

Description.						No.
<i>Section No. 7.</i>						
Braces , carpenters	{ ratchet, without bits					1
	{ bits { centre, 1-inch					1
	{ brewers gimlet, tanged					1
Chisels , hand, cold, 1 inch × 8½ inches						1
Chives , coopers, Mark II						1
Compasses , wing, 12-inch						1
Drivers , coopers, socket, iron, Mark II						1
Files , saw, taper, second cut, single, 5½-inch						2
Hammers , riveting, 8-oz.						1
Irons	{ bick, upon wood					1
	{ chintzing					1
	{ flagging					1
Jiggers , coopers, Mark II						1
Jointers , F.S.						1
Knives	{ drawing, coopers, Mark II					1
	{ hollowing					1
Pincers , carpenters						1
Planes , topping, coopers						1
Punches , coopers, small						1
Rules , G.S., 4-fold						1
Saws , hand, 26-inch						1
Shaves , coopers	{ inside cask, Mark II					1
	{ outside cask, Mark II					1
	{ round					1
Stocks , croze	{ barrel, Mark II					1
	{ pail					1
Stones	{ oil, carpenters					1
	{ rag					1
Vices , screw, iron						1

CHEST, TOOL, FILLED, FARRIERS AND SHOEING SMITHS.

§14002
L. of C.*To replace Chests, tool, filled, No. 7 when used up.*

Description.						No.
<i>Section No. 7.</i>						
Chests , tool, filled, No. 7	....	....	....	....	....	1
FORGE TOOLS.						
Chisels , farriers, handled	....	....	....	....	....	1
Cresses , farriers	{ No. 1					1
	{ No. 2					1

Chest, Tool, Filled, Farriers and Shoeing Smiths—*continued.*

Description.										No.	
Section No. 7.											
Cutters, anvil		flat smiths, large shank		....	....	....	....	....	....	1	
		half round, farriers		....	....	....	....	....	....	2	
Fullers, farriers, handled		....	....	....	....	....	....	....	....	1	
Hammers, farriers		sledge, 9½ lbs.		....	....	....	....	....	....	1	
		turning		....	....	....	....	....	....	1	
Pokers, smiths		....	....	....	....	....	....	....	....	1	
Pritchels, farriers		....	....	....	....	....	....	....	....	3	
Slices, farriers		....	....	....	....	....	....	....	....	1	
Stamps, farriers		....	....	....	....	....	....	....	....	2	
Tongs, farriers		{	fire	....	....	....	....	....	pairs	1	
			turning	{	large					”	1
					medium					”	1
					small						”
SHOEING TOOLS.											
Aprons, basil, brown		....	....	....	....	....	....	....	....	1	
Bags, tool, farriers		....	....	....	....	....	....	....	....	1	
Buffers, farriers		....	....	....	....	....	....	....	....	1	
Hammers, farriers, shoeing		....	....	....	....	....	....	....	....	1	
Knives, farriers		{	drawing	....	....	....	....	....	....	2	
			searching	....	....	....	....	....	....	1	
Pincers, farriers, Mark III		....	....	....	....	....	....	....	pairs	1	
Rasps, farriers, 16 inch*		....	....	....	....	....	....	....	....	2	
Stones, rag, farriers		....	....	....	....	....	....	....	....	1	

* Renewable quarterly.

CHEST, TOOL, FILLED, SMITHS.

To replace Chests, tool, filled, Nos. 10, 11A, B, C, D, and E when used up.

Description.						No.
<i>Section No. 7.</i>						
Chests, tool, empty, No. 11	....	....	....	....	....	1
Aprons, basil, brown	....	....	....	....	....	4
Braces, ratchet	{ 9-inch	....	....	....	....	1
	{ 12-inch drills	....	....	....	sets	1
Braces, smiths	....	....	....	....	....	1

\$14002
L. of C.

Chest, Tool, Filled, Smiths—*continued.*

§14002

L. of C.

Description.		No.
<i>Section No. 7.</i>		
Bits	{ countersunk rose	1
	{ rimer, { half round....	1
	{ square	1
Callipers	{ 10-inch	1
	5 "	1
Cans, oil, lubricating, G.S.	.....	1
	{ cross-cut, 7 inches by $\frac{1}{4}$ inch	1
	engraving....	1
Chisels	{ hand, cold { 1 inch $\times$ 8 $\frac{1}{2}$ inches	1
	{ $\frac{3}{4}$ inch $\times$ 8 inches	1
	rivet, head....	1
	smiths { cold	1
	{ hot	1
Compasses, wing, 10-inch	.....	1
Cutters, anvil, flat, smiths, with screwed setting gauge	.....	1
Drivers, screw, G.S.,	{ 14-inch	1
	6 "	1
	flat { 14-inch	2
	{ 10 "	2
	{ 6 "	1
Files, bastard.	{ half round { 14-inch	1
	{ 12 "	1
	{ 8 "	1
	round { 10-inch	1
	{ 8 "	1
	three-square, 12-inch	2
Files	{ second cut { half-round, 8-inch....	1
	{ hand, safe-edge, 6-inch	1
	smooth { half-round, 6-inch	1
	{ 6-inch	1
	{ square { 4 "	1
Flatters, smiths, Mark II, handled	.....	1
Fullers, smiths, Mark II	{ bottom	1
	top, handled....	1
Hammers	{ fitters { 32-oz.	1
	{ 24-oz.	1
	{ 8-oz.	1
	smiths { sledge, 10-lb.	1
	{ uphand, 7-lb.	1
Handles, file	{ middling	2
	small	1
Holders, rivet, head, small	.....	1
Plates, screw, B.A. standard	.....	1
Pliers, side-cutting	{ 8-inch, Mark III	1
	8 " " cutters	2
Pokers, smiths	.....	1

Chest, Tool, Filled, Smiths—*continued.*

Description.										No.	
Section No. 7.											
Punches	{	centre, $4\frac{1}{2}$ -inch	....	....	....	....	....	....	....	1	
		round,	$\frac{1}{2}$ inch by 10 inches								1
			$\frac{1}{16}$ inch by 4 inches								1
			smiths, hot,	$\frac{1}{2}$ -inch							
		$\frac{3}{8}$ "	....	....	....	....	....	....	....	1	
Rods, smiths, iron	....	....	....	....	....	....	....	....	....	4	
Rules	{	armament artificers, 1-foot	....	....	....	....	....	....	....	1	
		smiths									1
Saws	{	hack, 12-inch	....	....	....	....	....	....	....	1	
		" " blades									6
Scribers	....	....	....	....	....	....	....	....	....	1	
Slices, farriers	....	....	....	....	....	....	....	....	....	1	
Snaps, hand, riveting	{	$\frac{7}{8}$ -inch	....	....	....	....	....	....	....	1	
		$\frac{3}{8}$ "									1
		$\frac{1}{2}$ "									1
Snaps, riveting rod,	{	$\frac{1}{2}$ -inch	....	....	....	....	....	....	....	1	
		$\frac{3}{8}$ "									1
Spanners, adjustable, 15-inch	....	....	....	....	....	....	....	....	....	1	
Squares	{	box, fitters	....	....	....	....	....	....	....	1	
		fitters									1
		smiths, 18 inches $\times$ 9 inches									1
Stones, rag	....	....	....	....	....	....	....	....	....	2	
Tongs, smiths	{	forebit	....	....	....	....	....	....	pairs	1	
		forge, small									1
		hollow bit									1
		plier, Mark II									1
Tools, rounding, Mark II	{	bottom	....	....	....	....	....	....	....	1	
		top									1
Travellers	....	....	....	....	....	....	....	....	....	1	
Vices	{	bench, saddletree-makers	....	....	....	....	....	....	....	1	
		hand, 16-oz.									1
Section No. 13.											
Cloths, sponge	....	....	....	....	....	....	....	....	....	4	
Miscellaneous.											
Handbooks, military artificers	....	....	....	....	....	....	....	....	....	1	

To replace Chests, tool, filled, Nos. 12A, B and C, when used up.

§14002
L. of C.

To replace Chests, tool, filled, Nos. 12D, 13A, and B, when used up.

§14032
L. of C.

Chest, Tool, Filled, Painters and Glaziers—*continued.*

Description.							No.
<i>Section No. 7.</i>							
Brushes, writing	{	red sable	{	crow	....	....	3
				duck	....	....	3
	{	sable, duck	{	large	....	....	3
				small	....	....	3
Cans, paint	{	7½ inches diameter	....	....	....	....	1
	{	7 " "	....	....	....	....	1
Cases, diamond	....	....	....	....	....	....	1
Diamonds, glaziers, large	....	....	....	....	....	....	1
Hammers, riveting, 8-oz.	....	....	....	....	....	....	1
Knives	{	chisel, 3-inch	....	....	....	....	1
	{	hacking	....	....	....	....	1
	{	palette, 9-inch	....	....	....	....	1
	{	putty	....	....	....	....	1
	{	stopping	....	....	....	....	1
Pliers, flat-nose	....	....	....	....	....	pair	1
Pots, writing	....	....	....	....	....	....	1
Rule, glaziers, T, 2-feet	....	....	....	....	....	....	1
<i>Section No. 11.</i>							
Brushes, paint	{	oval	....	....	....	....	4
	{	unground, 000	....	....	....	....	2
	{	sash tool, {	No. 2	....	....	....	2
			No. 8	....	....	....	1
N.B.—The undermentioned does not form part of the chest, but when required may be demanded and accounted for separately:—							
<i>Section No. 7.</i>							
Lamps, brazing, 1-pint	....	....	....	....	....	per chest	1

CHESTS, STOCKS AND DIES, WHITWORTH
THREAD.

1½-inch to ¼-inch.

Description.							No.
<i>Section No. 7.</i>							
Chests, empty, 1½-inch to ¼-inch	....	....	....	....	....	....	1
Dies	{	1½-inch	....	....	....	sets	1
	{	1 " "	....	....	....	"	1
	{	¾ " "	....	....	....	"	1
	{	¾ " "	....	....	....	"	1
	{	¾ " "	....	....	....	"	1

Chests, Stocks and Dies, Whitworth Thread—continued.

Description.										No.
Section No. 7.										
Dies	{	$\frac{1}{2}$ -inch	....	....	....	....	....	sets	1	
		$\frac{7}{16}$ "	....	....	....	....	....	"	1	
		$\frac{3}{8}$ "	....	....	....	....	....	"	1	
		$\frac{5}{16}$ "	....	....	....	....	....	"	1	
		$\frac{1}{4}$ "	....	....	....	....	....	"	1	
Spanners	{	$\frac{1}{8}$ -inch	....	....	....	....	....	1		
		"	....	....	....	....	....	1		
Stocks	{	D	....	....	....	....	....	1		
		C	....	....	....	....	....	1		
Taps	{	$1\frac{1}{8}$ -inch	{	1st turn	....	....	....	....	1	
				2nd "	....	....	....	....	1	
		1 "	{	plug	....	....	....	....	1	
				1st turn	....	....	....	....	1	
		" "	{	2nd "	....	....	....	....	1	
				plug	....	....	....	....	1	
		$\frac{7}{8}$ "	{	1st turn	....	....	....	....	1	
				2nd "	....	....	....	....	1	
		" "	{	plug	....	....	....	....	1	
				1st turn	....	....	....	....	1	
		$\frac{3}{4}$ "	{	2nd "	....	....	....	....	1	
				plug	....	....	....	....	1	
		$\frac{5}{8}$ "	{	1st turn	....	....	....	....	1	
				2nd "	....	....	....	....	1	
		" "	{	plug	....	....	....	....	1	
				1st turn	....	....	....	....	1	
		$\frac{1}{2}$ "	{	2nd "	....	....	....	....	1	
				plug	....	....	....	....	1	
		$\frac{7}{16}$ "	{	1st turn	....	....	....	....	1	
				2nd "	....	....	....	....	1	
		" "	{	plug	....	....	....	....	1	
				1st turn	....	....	....	....	1	
		$\frac{3}{8}$ "	{	2nd "	....	....	....	....	1	
				plug	....	....	....	....	1	
		$\frac{5}{16}$ "	{	1st turn	....	....	....	....	1	
				2nd "	....	....	....	....	1	
		" "	{	plug	....	....	....	....	1	
				1st turn	....	....	....	....	1	
$\frac{1}{4}$ "	{	2nd "	....	....	....	....	1			
		plug	....	....	....	....	1			
Wrenches	{	L....	....	....	....	....	....	1		
		H	....	....	....	....	....	1		
		F	....	....	....	....	....	1		
		D	....	....	....	....	....	1		

CHESTS, STOCK AND DIES, WHITWORTH THREAD.

1-inch to $\frac{3}{8}$ -inch.

Description.								No.
Section No. 7.								
Chest, empty	1-inch to $\frac{3}{8}$ -inch	....	....	....	....	....	....	1
Dies	1-inch	....	....	....	....	....	sets	1
	$\frac{7}{8}$ "	....	....	....	....	....	"	1
	$\frac{3}{4}$ "	....	....	....	....	....	"	1
	$\frac{5}{8}$ "	....	....	....	....	....	"	1
	$\frac{1}{2}$ "	....	....	....	....	....	"	1
	$\frac{7}{16}$ "	....	....	....	....	....	"	1
Spanners	$\frac{7}{8}$ -inch	....	....	....	....	....	....	1
Stocks	D	....	....	....	....	....	....	1
	C	....	....	....	....	....	....	1
Taps	1-inch	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	$\frac{7}{8}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	$\frac{3}{4}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	$\frac{5}{8}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	$\frac{1}{2}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	$\frac{7}{16}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
Wrenches	$\frac{3}{16}$ "	1st turn	....	....	....	....	....	1
		2nd "	....	....	....	....	....	1
		plug	....	....	....	....	....	1
	I	....	....	....	....	....	....	1
	H	....	....	....	....	....	....	1
	F	....	....	....	....	....	....	1
	D	....	....	....	....	....	....	1

TOOLS, SCREW-CUTTING, B.A. STANDARD.
G.S.

Description.								No.
<i>Section No. 7.</i>								
Cases (wood) ....	....	....	....	....	....	....	....	1
Dies (spring) {	No. 0....	....	....	....	....	....	....	1
	" 2....	....	....	....	....	....	....	1
	" 4....	....	....	....	....	....	....	1
	" 6....	....	....	....	....	....	....	1
	" 8....	....	....	....	....	....	....	1
	" 10....	....	....	....	....	....	....	1
Drivers , screw	....	....	....	....	....	....	....	1
Guides (for dies, with 3 sets screws)	No. 0	....	....	....	....	....	....	1
	" 2	....	....	....	....	....	....	1
	" 4	....	....	....	....	....	....	1
	" 6	....	....	....	....	....	....	1
	" 8	....	....	....	....	....	....	1
Plates , gauge, { full thread (six holes) { screwing size	(Nos. 0, 2, 4 6, 8, 10)							{
								1
Stocks (steel, with clamping screw)	....	....	....	....	....	....	....	2
Taps {	No. 0	....	....	....	....	....	....	1
	" 2	....	....	....	....	....	....	1
	" 4	....	....	....	....	....	....	1
	" 6	....	....	....	....	....	....	1
	" 8	....	....	....	....	....	....	1
	" 10	....	....	....	....	....	....	1
	No. 0	....	....	....	....	....	....	1
	" 2	....	....	....	....	....	....	1
	" 4	....	....	....	....	....	....	1
	" 6	....	....	....	....	....	....	1
	" 8	....	....	....	....	....	....	1
	" 10	....	....	....	....	....	....	1
Wrenches {	large	....	....	....	....	....	....	1
	medium....	....	....	....	....	....	....	1

TOOLS, SCREW-CUTTING, BOLT AND NUT,
MARK II, "A."
Whitworth Standard Thread.

Description.								No.
<i>Section No. 7.</i>								
Chests "A," empty, $1\frac{1}{2}$ -inch to $1\frac{1}{8}$ -inch	....	....	....	....	....	....	....	1
Dies , $4\frac{1}{2}$ -inch diameter, { $1\frac{1}{2}$ -inch threads	....	....	....	....	....	....	....	1
"A," (1 guide, with 4	$1\frac{1}{8}$	"	"	....	....	....	....	1
chasers, 8 screws, and	$1\frac{1}{4}$	"	"	....	....	....	....	1
1 ring)....	$1\frac{1}{8}$	"	"	....	....	....	....	1

Tools, Screw-Cutting, Bolt and Nut, Mark II, "A"—*contd.*

Whitworth Standard Thread.

Description.		No.
<i>Section No. 7.</i>		
Clip piece ....	....	1
Drivers , screw, "A" (with $\frac{5}{16}$ -inch end) ....	....	1
Screws , die - setting, { chaser guide ....	....	16*
"A" (for dies $4\frac{1}{4}$ -inch { cheese-headed ....	....	8*
diameter) { grub ....	....	8*
Stocks , "A" (with 1 taper cotter, and clamp 48 inches long, for dies $4\frac{1}{4}$ -inch diameter) ....	....	1
Taps	$1\frac{1}{2}$ -inch { 1st turn } (6 threads per inch) {	1
		1
		1
		1
	$1\frac{3}{8}$ " { 1st turn } (6 threads per inch) {	1
		1
		1
		1
	$1\frac{1}{4}$ " { 1st turn } (7 " ") {	1
		1
		1
		1
	$1\frac{1}{8}$ " { 1st turn } (7 " ") {	1
		1
Wrenches , "A" (steel, 33 inches long, for taps $1\frac{1}{2}$ -inch, $1\frac{3}{8}$ -inch, $1\frac{1}{4}$ -inch, and $1\frac{1}{8}$ -inch) ....	....	1

* Spare.

TOOLS, SCREW-CUTTING, BOLT AND NUT,
MARK II, "B."

Whitworth Standard Thread.

Description.		No.
<i>Section No. 7.</i>		
Chests , "B," empty, 1-inch to $\frac{5}{8}$ inch ....	....	1
Dies , $3\frac{1}{4}$ -inch diameter, "B" (1 guide, with 4 chasers, 8 screws, and 1 ring):—		
1-inch threads ....	....	1
$\frac{7}{8}$ " ....	....	1
$\frac{3}{4}$ " ....	....	1
$\frac{1}{2}$ " ....	....	1

Tool, Screw-cutting, Bolt and Nut, Mark II, "B"—*contd.*
Whitworth Standard Thread.

Description.				No.
<i>Section No. 7.</i>				
Drivers , screw, "B" (with $\frac{1}{4}$ -inch end)	....	....	....	1
Screws , die - setting, { chaser guide	....	....	....	16*
"B" (for dies $3\frac{1}{4}$ -inch diameter)	....	....	....	8*
....	....	....	....	8*
Stocks , "B" (with 2 spring clamps 30 inches long for dies $3\frac{1}{4}$ -inch diameter)	....	....	....	1
Taps	1-inch	1st turn	(8 threads per inch)	1
		2nd " plug		1
		....		1
	$\frac{7}{8}$ "	1st turn	(9 " ")	1
		2nd " plug		1
		....		1
	$\frac{3}{4}$ "	1st turn	(10 " ")	1
		2nd " plug		1
		....		1
	$\frac{5}{8}$ "	1st turn	(11 " ")	1
		2nd " plug		1
		....		1
Wrenches , "B" (steel, 24 inches long for taps, 1-inch, $\frac{7}{8}$ -inch, $\frac{3}{4}$ -inch, and $\frac{5}{8}$ -inch)	....	....	....	1

* Spare.

TOOLS, SCREW-CUTTING, BOLT AND NUT,
MARK II, "C."

Whitworth Standard Thread.

Description.				No.
<i>Section No. 7.</i>				
Chests "C," empty, $\frac{1}{8}$ -inch to $\frac{5}{16}$ -inch	....	....	....	1
Dies , 2 $\frac{5}{8}$ -inch diameter, { $\frac{1}{8}$ -inch threads	....	....	....	1
"C" (1 guide with 4 chasers, 8 screws, and 1 ring)	....	....	....	1
....	....	....	....	1
Drivers , screw, die setting, "C" (with $\frac{3}{16}$ -inch end)	....	....	....	1
Screws , die - setting, { chaser guide	....	....	....	16*
"C" (for dies, 2 $\frac{5}{8}$ -inch diameter)	....	....	....	8*
....	....	....	....	8*

* Spare.

Tool, Screw-cutting, Bolt and Nut, Mark II, "C"—*contd.*

Whitworth Standard Thread.

Description.		No.
<i>Section No. 7.</i>		
Stocks, "C" (with 2 spring clamps, 20 $\frac{1}{4}$ inches long, for dies 2 $\frac{5}{8}$ -inch diameter) ....	....	1
Taps	$\frac{1}{2}$ -inch { 1st turn (12 threads per inch) }	1
	2nd " plug " }	1
	$\frac{7}{16}$ " { 1st turn (14 " ") }	1
	2nd " plug " }	1
	$\frac{3}{8}$ " { 1st turn (16 " ") }	1
	2nd " plug " }	1
	$\frac{5}{16}$ " { 1st turn (18 " ") }	1
	2nd " plug " }	1
	.....	1
	.....	1
	.....	1
	.....	1
Wrenches, "C" (steel, 10 inches long, for taps, $\frac{1}{2}$ -inch, $\frac{7}{16}$ -inch, $\frac{3}{8}$ -inch, and $\frac{5}{16}$ -inch) ....	....	1

TOOLS, SCREW-CUTTING, BOLT AND NUT,
MARK II, "D."

Whitworth Standard Thread.

Description.		No.
<i>Section No. 7.</i>		
Chests, "D," empty, $\frac{1}{2}$ -inch to $\frac{1}{8}$ -inch ....	....	1
Dies, 1$\frac{1}{2}$-inch diameter, "D" { $\frac{1}{2}$ -inch threads ....	....	1
(1 guide, with 4 chasers, $\frac{3}{16}$ " ....	....	1
8 screws, and 1 ring) ....	....	1
Drivers, screw, "D," with $\frac{1}{8}$ -inch end ....	....	1
Screws, die-setting, "D" (for { chaser guide ....	....	12*
	{ cheese-headed	6*
	{ grub	6*
Stocks, "D" (with 2 spring clamps 16 inches long, for dies 1 $\frac{1}{2}$ -inch diameter) ....	....	1
Taps, $\frac{1}{2}$-inch { 1st turn ....	....	1
	{ 2nd " (20 threads per inch)	1
	{ plug.	1

* Spare.

Tools, Screw-cutting, Bolt and Nut, Mark II, "D"—*contd.*
Whitworth Standard Thread.

Description.										No.
<i>Section No. 7.</i>										
Taps	{ $\frac{3}{16}$ -inch	1st turn	{ (24 threads per inch)	....	....					1
		2nd "		....	....					1
		plug		....	....					1
	{ $\frac{1}{8}$ "	1st turn	{ (40 " " )	....	....					1
		2nd "		....	....					1
		plug		....	....					1
Wrenches, "D" (steel, 6 inches long, for taps $\frac{1}{4}$ -inch, $\frac{3}{16}$ -inch, and $\frac{1}{8}$ -inch)										1

TOOLS, SCREW-CUTTING, BOLT, AND NUT,
MARK III, "A."

Whitworth Standard Thread.

Description.										No.
Section No. 7.										
Chests, "A," 1½-inch to 1⅞-inch (Mark III)										1
Chip piece										1
Dies	{	1½-inch	{	1st turn	{	6 threads	{	1	1	
		1⅞ "		2nd "				1		
		1¼ "		plug				1		
		1⅝ "		1st turn				1		
Spanners, "A "										1
Stocks, "A "										1
Taps	{	1½-inch	{	1st turn	{	7 "	{	1	1	
		1⅞ "		2nd "				1		
				plug				1		
		1¼ "		1st turn				1		
				2nd "				1		
				plug				1		
		1⅝ "		1st turn				1		
				2nd "				1		
				plug				1		
				1⅞ "				1st turn	1	
		1 "		2nd "				1		
				plug				1		
Wrenches, "A "										1

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L. of C.

TOOLS, SCREW-CUTTING, BOLT, AND NUT,
MARK III, "B."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Chests, "B"	1-inch to $\frac{5}{8}$ -inch (Mark III)....	....	....	....	....	1
Dies	$\frac{1}{8}$ -inch	....	....	....	....	1
	$\frac{7}{16}$ "	....	....	....	....	1
	$\frac{1}{2}$ "	....	....	....	....	1
	$\frac{3}{4}$ "	....	....	....	....	1
Spanners, "B"	....	....	....	....	....	1
Stocks, "B"	....	....	....	....	....	1
Taps	1-inch	{ 1st turn	8 threads	{	....	1
		2nd "			....	1
		plug			....	1
	$\frac{7}{8}$ "	{ 1st turn	9 "	{	....	1
		2nd "			....	1
		plug			....	1
	$\frac{1}{2}$ "	{ 1st turn	10 "	{	....	1
		2nd "			....	1
		plug			....	1
	$\frac{3}{4}$ "	{ 1st turn	11 "	{	....	1
		2nd "			....	1
		plug			....	1
Wrenches, "B"	....	....	....	....	....	1

11670
L. of C.

TOOLS, SCREW-CUTTING, BOLT, AND NUT,
MARK III, "C."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Chests, "C,"	$\frac{1}{2}$ -inch to $\frac{5}{8}$ -inch (Mark III)					1
Dies	$\frac{1}{8}$ -inch					1
	$\frac{7}{16}$ "					1
	$\frac{1}{2}$ "					1
	$\frac{3}{4}$ "					1
Spanners, "C"						1
Stocks, "C"						1

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L. of C.

Tools, Screw-cutting, Bolt and Nut, Mark III, "C"—*contd.*
Whitworth Standard Thread.

11670

L. of C.

Description.										No.
Section No. 7.										
Taps	$\frac{1}{4}$ -inch	1st turn	12 threads	....	....	....	....	....	1	
		2nd "		....	....	....	....	....	1	
		plug		....	....	....	....	....	1	
	$\frac{7}{16}$ "	1st turn	14 "	....	....	....	....	....	1	
		2nd "		....	....	....	....	....	1	
		plug		....	....	....	....	....	1	
	$\frac{3}{8}$ "	1st turn	16 "	....	....	....	....	....	1	
		2nd "		....	....	....	....	....	1	
		plug		....	....	....	....	....	1	
	$\frac{5}{16}$ "	1st turn	18 "	....	....	....	....	....	1	
		2nd "		....	....	....	....	....	1	
		plug		....	....	....	....	....	1	
Wrenches, "C"		...	....	....	....	....	....	....	1	

TOOLS, SCREW-CUTTING, BOLT, AND NUT
MARK III, "D."

Whitworth Standard Thread.

11670

L. of C.

Description.										No.
<i>Section No. 7.</i>										
Chests, "D," $\frac{1}{4}$ -inch to $\frac{1}{16}$ -inch (Mark III)										1
Dies	$\frac{1}{4}$ -inch	....	....	....	....	....	....	....	....	1
	$\frac{7}{32}$ "	....	....	....	....	....	....	....	....	1
	$\frac{3}{16}$ "	....	....	....	....	....	....	....	....	1
	$\frac{5}{32}$ "	....	....	....	....	....	....	....	....	1
	$\frac{1}{8}$ "	....	....	....	....	....	....	....	....	1
Holders, tap										1
Plates, screw										1
Spanners, "D"										1
Stocks, "D"										1
Taps	$\frac{1}{4}$ -inch	1st turn	20 threads	....	....	....	....	....	....	1
		2nd ,,		....	....	....	....	....	....	1
		plug		....	....	....	....	....	....	1
	$\frac{7}{32}$ "	1st turn	24 "	....	....	....	....	....	....	1
		2nd ,,		....	....	....	....	....	....	1
		plug		....	....	....	....	....	....	1
	$\frac{3}{16}$ "	1st turn		....	....	....	....	....	....	1
		2nd ,,		....	....	....	....	....	....	1
		plug		....	....	....	....	....	....	1

Tools, Screw-cutting, Bolt and Nut, Mark III, "D"—*contd.*
Whitworth Standard Thread.

Description.										No.
Section No. 7.										
Taps	$\frac{5}{32}$ -inch	{	1st turn	{	32 threads	{	....	....	....	1
			2nd "				....	....	....	1
			plug				....	....	....	1
	$\frac{1}{8}$ "	{	1st turn	{	40 "	{	....	....	....	1
			2nd "				....	....	....	1
			plug				....	....	....	1
	$\frac{3}{32}$ "	{	1st turn	{	48 "	{	....	....	....	1
			2nd "				....	....	....	1
			plug				....	....	....	1
	$\frac{1}{16}$ "	{	1st turn	{	60 "	{	....	....	....	1
			2nd "				....	....	....	1
			plug				....	....	....	1
Wrenches, "D"										1

TOOLS, SCREW-CUTTING, IRON AND STEEL TUBE,
MARK II.

Whitworth Gas Threads.

($1\frac{1}{2}$ -inch to $\frac{1}{4}$ -inch.)

Description.										No.	
Section No. 7.											
Chests, empty										1	
Dies (in 2 parts marked "top" and "bottom" forming a set)										1	
										1 1/4	1
										1	1
										3/4	1
										5/8	1
										1/2	1
										3/8	1
										1/4	1
Stocks, { large (for 1 1/2-inch, 1 1/4-inch, and 1-inch dies)										1	
{ small (for 3/4-inch to 1/4-inch dies)										1	
Taps { (The 1st turn taps are taper; the plug taps are parallel)										1	
										1 1/2-inch	1
										1 1/4	1
										1	1
										3/4	1
										5/8	1
										1/2	1
										3/8	1
										1/4	1

Tools, Screw-cutting, Iron and Steel Tube, Mark II—*contd.*

Whitworth Gas Threads.

Description.					No.
Section No. 7.					
Taps	$\left\{ \begin{array}{l} \frac{1}{2}\text{-inch} \\ \frac{3}{8} \\ \frac{1}{4} \end{array} \right.$	$\left\{ \begin{array}{l} \text{1st turn} \\ \text{plug} \\ \text{1st turn} \\ \text{plug} \\ \text{1st turn} \\ \text{plug} \end{array} \right.$	(The 1st turn taps are taper, the plug taps are parallel)	1	
				1	
				1	
				1	
				1	
				1	
Tommyes	$\left\{ \begin{array}{l} 9\text{-inch (for screwing up large stock)} \\ 6 \text{ " (" " " " small ")} \end{array} \right.$			$\left\{ \begin{array}{l} \text{....} \\ \text{....} \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 1 \end{array} \right.$
Wrenches	$\left\{ \begin{array}{l} \text{large (for } 1\frac{1}{4}\text{-inch, } 1\frac{1}{4}\text{-inch, and } 1\text{-inch taps)} \\ \text{small (for } \frac{3}{4}\text{-inch to } \frac{1}{4}\text{-inch taps)} \end{array} \right.$			$\left\{ \begin{array}{l} \text{....} \\ \text{....} \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 1 \end{array} \right.$

TOOLS, SCREW-CUTTING, BRASS AND COPPER
TUBE, MARK I.

Description.						No.		
Section No. 7.								
Chests, empty, $\frac{3}{4}$ -inch to $\frac{1}{4}$ -inch						1		
Dies (solid circular) :—								
$\frac{3}{4}$ -inch $\frac{5}{8}$ ” $\frac{1}{2}$ ” $\frac{7}{8}$ ” $\frac{3}{4}$ ” $\frac{5}{8}$ ” $\frac{1}{4}$ ”	{	(for large stock)				{	1	
							1	
							1	
							1	
	{	(for small stock)				{	1	
							1	
							1	
							1	
							1	
							1	
Guides	{	$\frac{3}{4}$ -inch	....	....	....	....	....	1
		$\frac{5}{8}$ ”	....	....	....	....	....	1
		$\frac{1}{2}$ ”	....	....	....	....	....	1
		$\frac{7}{8}$ ”	....	....	....	....	....	1
		$\frac{3}{4}$ ”	....	....	....	....	....	1
		$\frac{5}{8}$ ”	....	....	....	....	....	1
		$\frac{1}{4}$ ”	....	....	....	....	....	1
		{	large (for $\frac{3}{4}$ -inch, $\frac{5}{8}$ -inch, and $\frac{1}{2}$ -inch dies)					1
			small (for $\frac{7}{8}$ -inch, $\frac{3}{4}$ -inch, $\frac{5}{8}$ -inch, and $\frac{1}{4}$ -inch dies) ...					1
		Stocks						

Tools, Screw-cutting, Brass and Copper Tube, Mark I—*contd.*

Description.		No.
<i>Section No. 7.</i>		
Taps (26 threads per inch)	$\frac{3}{8}$ -inch { 1st turn	1
	plug	1
	" { 1st turn	1
	plug	1
	$\frac{1}{2}$ " { 1st turn	1
	plug	1
	$\frac{7}{16}$ " { 1st turn	1
	plug	1
	$\frac{3}{4}$ " { 1st turn	1
	plug	1
	$\frac{5}{16}$ " { 1st turn	1
	plug	1
Wrenches	$\frac{1}{4}$ " { 1st turn	1
	plug	1
	{ large (for taps, $\frac{3}{8}$ -inch and $\frac{5}{8}$ -inch)....	1
	{ medium (for taps, $\frac{1}{2}$ -inch and $\frac{7}{16}$ -inch)	1
{ small (for taps, $\frac{3}{8}$ -inch, $\frac{5}{16}$ -inch, and $\frac{1}{4}$ -inch)		1

(the 1st turn are taper, the plug taps are parallel)

FORGE AND SHOEING TOOLS.

Sets of Tools (with Bag) for a Farrier or Cold Shoer. (All Units except Army Service Corps) War only.

Description.		No.	A.O. 194 1907
<i>Section No. 7.</i>			
Aprons , basil, white or brown	....	1	
Buffers , farriers	....	1	
Hammers , farriers shoeing	....	1	
Knives , drawing, farriers	....	2	
" searching, farriers	....	1	
Pincers , farriers	....	1	
Pritchels , farriers	....	1	
Rasps , farriers 16-in.	....	2	
Stones , rag, farriers	....	1	

A.O. 77
1907

Forge and Shoeing Tools—*contd.*Sets of Tools (with Chest No. 7) for Army Service Corps,
War only.

A.O. 194	Description.	No.
1907		
A.O. 77	<i>Section No. 7.</i>	
1907	<i>Forge Tools.</i>	
	Chisels , farriers, handled 1 Cutters , anvil, half-round, farriers.... 2 Hammers , farriers, sledge, 9½ lbs. 1 " " turning 1 Pokers , smiths 1 Pritchels , farriers 2 Slices , farriers 1 Stamps , farriers 2 Stones , rag, farriers 1 Tongs , farriers { fire, pairs 1 turning, large " 1 " medium " 1 " small " 1	
	<i>Shoeing Tools.</i>	
	Aprons , basil, white or brown 1 Buffers , farriers 1 Hammers , farriers, shoeing.... 1 Knives , drawing, farriers 2 " searching, farriers 1 Pincers , farriers pairs 1 Rasps , farriers, 16-in. 2	

APPENDIX VI.

TABLE I.—Tools for Instruction in Field Works.

Referred to in paragraph 323 (i).

List of stores which may be temporarily issued annually from the sources mentioned in paragraph 323 for the peace instruction of Fortress and Survey Companies, R.E.

Description.	Set per unit.			Remarks.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
SECTION NO. 2. A.				
Axes, { felling, curved helve ..	1	2	4	
{ hand, 2-lb. 2-oz. ..	2	3	6	
Hooks, bill	5	10	20	
Mauls, G.S.	1	2	4	
SECTION NO. 2. B.				
Axes, pick, { heads, 4½ lbs. ..	25	50	100	
{ helves, 36-in. ..	25	50	100	
Bars, crow, 4-ft. 6 in.	1	2	4	
Lamps, tracing	1	1	2	
Shovels, R.E.	25	50	100	
Spades, Mark III	3	5	10	
Tapes, tracing	2	5	10	
SECTION NO. 7.				
Grindstones, F.S., 10-in. ..	1	1	2	
Levels, spirit rule	1	1	2	
Pliers, side cutting, 8-in. pairs	2	4	8	
SECTION NO. 8. D.				
Rods, measuring, common, 6-ft.	2	5	10	
Tapes, measuring, 50-ft... ..	1	1	2	

TABLE I—continued. Tools for Instruction in Field Works.

A.O.
115
1908

Description.	Set per unit.			Remarks.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
SECTION No. 28. B.				
Batteries, dry, "O," 10-cell ..	2	2	4	
Cable, electric, unarmoured, D.15 miles	$\frac{1}{2}$	$\frac{1}{2}$	1	
Exploders, dynamo, electric, quantity	1	1	2	
SECTION No. 29. A.				
Boxes, testing and jointing, filled	1	1	2	
SECTION No. 29. B.				
Levels, F.S., 4-ft... ..	1	2	4	
SECTION No. 29. F.				
Forks, sandbag	2	4	8	
Ladders, scaling, 6-ft.	6	12	12	

TABLE II.—Bridging, Mining, Railway and Telegraph Stores to be held on charge of C.R.E. for Instructional Purposes.

Referred to in paragraph 323 (ii).

A.O.
115
1909

Description.	Bridging Stores.	Mining Plant.	Railway Plant.	Telegraph Stores.	Remarks.
SECTION No. 4.					
Timber, { sheeting, miners, pieces .. { planks, spars, &c., various ..	* ..	80 ..	.. ..	.. ..	To be provided locally. *As required, to be provided locally.
SECTION No. 7.					
Adzes, carpenters	..	..	1 ..	..	
Augers, screw :—					
Common, $\frac{3}{4}$ -in.	..	..	1 ..	..	
Solid, wing-eyed, { 2-in. $\times$ 17 $\frac{1}{2}$ -in. long .. { 1 $\frac{1}{2}$ -in. { 1-in. $\times$ 29-in. long ..	{ 2 .. 2 .. 2 ..	{	{	{	
Augers, handles :—					
18 $\frac{1}{2}$ -in.	2 ..	..	.. ..	..	
18-in.	2 ..	..	.. ..	..	
13 $\frac{1}{2}$ -in.	..	..	1 ..	..	
Gimlets, spike, $\frac{1}{2}$ -in.	2 ..	..	.. ..	..	
Hammers, { claw, 20-oz.	4 ..	..	.. ..	..	
{ smiths, hand, 3-lbs.	..	..	1 ..	..	
Mallets, carpenters	2 ..	..	.. ..	..	
Pliers, side cutting, 8-in. .. pairs	..	..	.. ..	2	
Saws, cross cut :—					
Blades, 5-ft.	1 ..	..	.. ..	..	
Handles	2 ..	..	.. ..	..	
Spanners, McMahon, 15-in.	..	..	1 ..	1	
SECTION No. 8. A.					
Blocks, tackle, G.S. :—					
2-in. cordage, { double	{ 2 ..	{	{	{	
{ snatch	{ 2 ..	{	{	{	
{ treble	{ 2 ..	{	{	{	
1 $\frac{1}{2}$ -in. cordage, { double	{ 2 ..	{	{	{ 1 ..	
{ single	{ 2 ..	{	{	{ 1 ..	
{ snatch	{ 2 ..	{	{	{	

TABLE II—continued. Bridging, Mining, Railway and Telegraph Stores.

A.O.
115
1908

Description.	Bridging Stores.	Mining Plant.	Railway Plant.	Telegraph Stores.	Remarks.
SECTION No. 8. A.					
Cordage, hemp, hawser, 3-strand, tarred or white :—					
3-in.	{ 50 fms. (falls)	3	..	..	..
	{ 30 to 36 fms. (guys)	12	..	..	..
	{ 30 fms. (cables)	4	..	..	..
2-in.	{ 9 „ (foot ropes)	12	..	..	..
	{ 50 fms. (falls)	3	..	..	..
	{ 9 „ (lashings)	12	..	..	..
1½-in.	{ 6 „ „	12	..	..	..
	{ 60-ft. (breast lines)	12	..	..	..
	{ 6 fms. (lashings)	100	..	..	..
1-in.	{ 3 „ (bruces)	48	..	..	..
	{ 6 „ (lashings)	100	..	..	..
	{ 16-ft. (lashings transom)	32	..	..	..
2½-in., 6 fms. (slings)	8	..	..	..	..
Cordage, hemp bolt, 3-strand, 1½-in., fms.	..	..	..	10	..
Lines, Hambro'	..	..	..	..	..
Rope, galvanized steel, wire, 3-in., fms. 100	100	..	..	..	..
SECTION No. 8. B.					
Oars, ash, leathered, 12-ft.	14	..	..	..	..
SECTION No. 8. D.					
Rods, measuring, common, 6-ft.	..	..	1	..	..
SECTION No. 28. B.					
Wire, electric, uncovered :—					
Z.15 lbs.	..	..	..	79	..
Z.16 „	..	..	..	20	..
Wire, special, iron galvanized, No. 8					
W.G., 5-strand lbs.	..	..	..	28	..
SECTION No. 28. F.					
Bars, crow, platelayers :—					
5-ft. 7-in.	..	..	} 2	..	..
5-ft. 5½-in.	..	..		..	..
Beaters, { heads	..	..	2	..	..
	{ helves	..	2	..	..
Clips, lifting	..	..	2	..	..

TABLE II—continued. Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.	Railway Plant.	Telegraph Stores.	Remarks.	A.O. 115 1909
SECTION No. 28. F.						
Dogs, railway, and { 15-in. 100						
sawyers, straight, { 12-in.			20	..		
Extractors, spike, platelayers			1*	..	* If sets are subdivided additional issues of these items may be made to each locality.	
Gauges, platelayers, common, 4-ft. 8½-in.			1*	..		
Hammers, platelayers:—						
Keying			1*	..		
Spiking			1*	..		
Irons, expansion			8	..		
Levers, platelayers			1*	..		
Plant, railway, old:—						
Chairs, { ordinary 200 ..					† See footnote at end of table.	
slide, cast-iron			10†	..		
spikes			424	..		
trenails			424	..		
Fishplates sets			50	..		
Sleepers, { 6-ft. × 9-in. × 4½-in. 80† ..						
{ 9-ft. × 9-in. × 4½-in. 20† ..						
Railbenders, Vojaček's			1*	..		
Sets, cold, large			1*	..		
Spanners, platelayers, straight, ¾-inch, 2-ft. long			1*	..		
SECTION No. 29. A.						
Apparatus, repairing wire				2		
Arms, telegraph pole, ordinary 24-in.				4		
Brackets, insulator, tubular, iron pole, semi-permanent				2		
Insulators:—						
Ebonite, { hanging 2						
{ with shank 2						
Porcelain { double shed 2						
screw cup, { shackles 2						
{ terminals 2						
Ladders, field, telegraph				1		
Poles, telegraph:—						
Iron, semi-permanent				1		
Wood, plain, light, 26-ft.				2		
Stay tighteners, ⅝-in.				2		
Vices, draw				2		

TABLE II—continued. Bridging, Mining, Railway and Telegraph Stores.

A.O.
116
1908

Description.				Bridging Stores.	Mining Plant.	Railway Plant.	Telegraph Stores.	Remarks.
SECTION No. 29. E.								
Anchors, boat, 1-cwt.	..	..	..	4	..	..	..	
Buoys, pontoon iron	..	..	..	4	..	..	..	
Hooks, boat, 11-ft. 7½-in.	..	..	..	2	..	..	..	
Barrel, pier:—								
Baulks, Mark III	..	..	..	36	..	..	..	
Gunwales	..	..	..	8	..	..	..	
Outriggers	..	..	..	4	..	..	..	
Ways, launching	..	..	pairs	1	..	..	..	
Sticks, rack	..	..	..	48	..	..	..	
SECTION No. 29. F.								
Blowers, rotary	..	..	..	..	2	..	..	
Hose, 1½-in.	..	..	..	..	10	..	..	
Wrenches, 1½-in.	..	..	..	..	4	..	..	
Buckets, miners	..	..	..	..	4	..	..	
Candlesticks, miners	..	..	..	..	20	..	..	
Cases, mining, { common gallery	..	..	..	..	20	..	..	
{ shaft	..	..	..	..	40	..	..	
Frames, mining, { branch gallery	..	..	..	..	6	..	..	
{ common gallery	..	..	..	..	8	..	..	
{ shaft	..	..	..	..	12	..	..	
{ shaft top	..	..	..	..	2	..	..	
Ladders, rope, miners, 20-ft.	..	..	..	..	3	..	..	
Picks, push	..	..	..	..	6	..	..	
Rammers, earth	..	..	..	..	2	..	..	
Scrapers, earth	..	..	..	..	4	..	..	
Trucks, miners	..	..	..	..	4	..	..	
NOT IN VOCABULARY.								
Casks, water, 108 gallons	..	..	..	28*	..	..	..	* To be provided locally.
Keys, oak, compressed	..	..	..	..	..	200	..	
Lever for switches, complete with tie rods	..	..	..	..	..	1	..	
Plant, railway, old:—								
{ double headed, 72-lb. per								
yard, 24-ft. lengths	..	..	..	..	..	16†	..	
Rails, { frog	..	..	..	..	..	1†	..	
guard	..	..	..	..	..	2†	..	
for switches 9 or 12-ft.	..	..	..	..	..	2†	..	
wing	..	..	..	..	..	2†	..	

† The following stores, if available, will be used up in lieu of these items:—

Plant, railway, old, { chairs, ordinary.
 { rails, 18-ft. length.
 { sleepers of sizes.

TABLE III.—Expendable Stores which may be issued to units annually for purposes of instruction in Military Engineering.

Referred to in paragraph 323 (iii).

A.O.
115
1903

Description.	Cavalry, set per Regiment.	Horse and Field Artillery, set per Battery.	Siege Artillery, set per Company.	R.E., set per Company.	Infantry, set per Battalion.	Remarks.
SECTION No. 3.						
Wire, { galvanize d iron, No. 14, S.W.G. .. lbs.	..	..	100	56	56	
	30	..	..	100	56	
	..	..	..	10	5	
SECTION No. 4.						
Profiling stuff, 1½-in. × ¾-in. † ..	..	..	..	..	..	† To be provided locally.
SECTION No. 8. A.						
Cordage, spun yarn, hemp, 3-thread, tarred .. lbs.	10	14	..	40	14	
Twine, whipping .. "	..	..	..	7	4	
SECTION No. 9. A.						
Chalk, { white .. lbs.	..	..	..	1	10	
	..	..	..	1	1	
SECTION No. 10. A.						
Nails, { iron, spike, No. 184 lbs.	..	..	..	28	100	
	3	..	..	28	14	

TABLE III—continued. Expendable Stores.

A.O.
115
1908

Description.	Cavalry, set per Regiment.	Horse and Field Artillery, set per Battery.	Siege Artillery, set per Company.	R.E., set per Company.	Infantry, set per Battalion.	Remarks.
SECTION No. 28. F.						
Plant, railway, { chairs 12	..	..	..	..	..	
old, { rails .. yds. 12	..	..	..	..	..	
{ sleepers .. 6	..	..	..	..	..	
NOT IN VOCABULARY.						
Keys, oak, compressed 12	..	..	..	..	..	
SECTION No. 29. F.						
Bags, sand, common 100	..	..	100	500	250	
Brushwood, fascines, and gabions bunches 40	..	1*	2*	1*		* Per man exercised, to be provided locally.
Gabion, bands .. sets of 10	..	..	25	25	10†	† If brushwood is expensive.
Pickets, { gabions, 3-ft. 375	..	..	375	375	150	
{ tracing, unbarked 100	..	..	100	300		
NOT IN VOCABULARY.						
Rope or cordage, old .. lbs. 14	14	..	28	28		For teaching knots.
Straw, trusses 20	..	..	20	..		A.S.C. supply.

TABLE IV.—Explosives which may be issued to units annually for purposes of instruction in Military Engineering.

Referred to in paragraph 323 (iv).

Description.	Cavalry, set per Regiment.	R.E., set per Company.	Remarks.
SECTION No. 3.			
Wire, ordinary, copper, No. 28, W.G. ozs.	6	..	
SECTION No. 25.			
Guncotton, dry, primers:—			
Rocket, 2-oz., Mark I	20	..	"H" Primers will be issued in lieu, with S and T slabs, until stock is used up.
Field, 1-oz., " II	..	120	
Guncotton, wet:—			
Charges, field, 15-oz., Mark I ..	7	14*	* Slabs S or T will be issued in lieu until stock is used up.
Gunpowder, R.L.G... .. lbs.	..	50	See also dynamite.
NOT IN VOCABULARY.			
Dynamite, blasting gelatine, or other suitable explosive	..	25	If obtainable locally otherwise allowance of gunpowder above to be doubled.
SECTION No. 26.			
Fuzes, electric, No. 14	..	25	For instantaneous and safety fuze.
Detonators, { electric, No. 13	..	25	
{ No. 8	50	25	
Fuze, { instantaneous .. yds.	30	100	To be provided locally.
{ safety, No. 9 .. fms.	8	50	
Matches, vesuvian boxes	2	4	

A.O.
115
1903

54
Eng.
862

APPENDIX VII.
(*Referred to in paragraph 261.*)

CAMP EQUIPMENT.

TABLE I.

Standing Camps. Proportions for all Services.

Description.		Proportion.
<i>Section No. 2A.</i>		
Axes { felling, curved helve hand, 2 lb. 2 oz.		{ 10 per regiment of cavalry and bat- talion of infantry, 4 per head- quarters or other unit.
Bags , letter, field ....	....	1 per office of headquarters units.
Boxes , stationery, field ....	....	1 per office (for headquarters units only).
Buckets , water, G.S., canvas ....	....	1 per 2 horses.
Chairs , camp ....	....	1 per G.O.C.
Cords , storage ....	....	1 per 8 mounted N.C.O.'s and men or less.
Covers , saddle ....	....	1 per set of saddlery or single set of harness, 2 per double set of harness.
Flags , distinguishing ....	....	As required.
Hooks , bill ....	....	10 per regiment of cavalry, 20 per battalion of infantry, 4 per other unit.
Kettles , camp, oval, 12 quarts ....	....	1 per 8 N.C.O.'s and men.
Lamps , candle ....	....	1 per office tent (headquarters units only).
Lanterns, tent {	distinguishing	 As required.
	folding	 20 per regiment of cavalry, 4 per battalion of infantry, 2 per head- quarters, 2 per other mounted unit, and 1 per other dismounted unit.
		1 per tent may be issued, under authority of the General Officer Commanding in countries where there is no twilight.
Mallets , heel peg ....	....	1 per 3 officers' horses, 1 per 8 other horses.
Mauls , G.S. ....	....	1 per 50 horses.
Nets , hay ....	....	1 per horse, if specially required.
Ovens , Aldershot pattern, com- plete	....	2 per regiment of cavalry, or bat- talion of infantry, and 1 per other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days.)
Pegs , picketing, with rope loop ....	....	2 per horse, plus 15 per cent. spare.
Posts , picket, 2½ feet ....	....	1 per 10 horses (to increase stability of built-up rope).
Racks , arm, tent ....	....	1 per N.C.O. and man's tent.

A.O. 97
1906

A.O. 97
1906

Table 1—continued. Camp Equipment. Standing Camps.

Description.			Proportion.	
<i>Section No. 2A.</i>				
Ropes	head, hemp, with ring	....	1 per horse.	
	heel	....	1 per horse and 15 per cent. spare.	
	picketing, 4 ft. 9 in.	....	1 per horse and 5 per cent. spare.	A.O. 97 1906
Rugs, horse	large	....	1 per public service horse of household and heavy cavalry, R.E., R.A., A.S. Corps, and Military Mounted Police; and for other units in the proportion of 10 per cent. number of horses.	
	small	....	For 90 per cent. of public service horses of units not in possession of full proportion of large rugs.	
Screens, latrine*	....	....	1 for officers, 1 for N.C.O.'s, and 1 per company or squadron.	
Sheets, ground (waterproof) †	....	....	8 per tent, or 1 for each man in tents occupied by a less number than 8.	
Stools, camp	....	....	1 per office tent (headquarters units only).	
Stoves, Soyer's	....	....	4 per regiment of cavalry or battalion of infantry and 1 per other unit. <i>To be issued only when coal is the fuel used.</i>	
Tables, camp	....	....	1 per general officer.	
	circular, double, linen	....	1 per general officer.	
			1 per field officer, 1 per 2 other officers, 1 per 12 N.C.O.'s and men, dismounted, 1 per 10 N.C.O.'s and men, mounted units, 30 miscellaneous per regiment, and 1 per two squadrons for squadron serjeant-major and squadron quartermaster-serjeant for cavalry, 12 miscellaneous for other mounted units, 16 miscellaneous per battalion of infantry, and 5 for other dismounted units. For headquarters, 1 per officer, 1 per two servants, 1 per headquarters office, and 3 miscellaneous.	57 Hong Kong 1256
	circular, single, linen ‡			
			1 for recreation room per regiment of cavalry, brigade of artillery, or battalion of infantry, and 1 per serjeants mess per brigade of artillery, 1 per headquarters unit, 3 per 2 other units if number of members of officers' mess does not exceed 12.	57 Gen. No. 8871
	marquee, hospital, small			
Tents, complete,				

* 1 extra service may be issued for bathing places if considered desirable.

† When tent bottoms are not supplied.

‡ See paragraph 261 regarding issues of C.D.L. in lieu at stations abroad.

Table I—continued.

Camp Equipment. Standing Camps.

Description.	Proportion.
<i>Section No. 2A.</i>	
Tents , complete, store	{ 1 per serjeants' mess per regiment of cavalry, or battalion of infantry.
Tubs , washing, 3½ gals.	
<i>Section No. 2B.</i>	
Axes , pick, { heads, 4½ lb. { helves, 36-ins. fer- ruled wheel intrenching	{ 10 per regiment of cavalry and battalion of infantry, 4 per head-quarters or other unit.
Barrows , with wheels	
Bars , crow	16 per regiment of cavalry, 3 per other mounted unit.
Shovels , G.S. †	4 per regiment of cavalry and battalion of infantry, 1 per head-quarters or other unit.
	16 per regiment of cavalry, 10 per battalion of infantry, 5 per other mounted unit, 3 per other dismounted unit.
Spades , N.P. ††	10 per regiment of cavalry or battalion of infantry, 5 per other mounted unit and 3 per other dismounted unit.
<i>Section No. 5B.</i>	
Forges , packsaddle*	2 per regiment of cavalry and 1 per other mounted unit unprovided with forge in peace equipment.
<i>Section No. 11.</i>	
Brooms , birch	16 per regiment of cavalry, 10 per battalion of infantry, 6 per head-quarters or other unit.
Chairs , Windsor	3 per unit (except headquarters) for orderly rooms and quartermaster's stores.
Lamps , hurricane (or lanterns, tin, glass sides, or stable lanterns, in lieu).	When considered necessary by G.O.C.
	Not to exceed :— 12 per battalion of infantry. 6 per regiment of cavalry. 2 per other units for lighting urine receptacles and latrines at night in camps of not less than 14 days duration.

* Until stock is exhausted, then forges, field G.S. If, in the opinion of the officer commanding, the forge work of the unit is too heavy to be satisfactorily carried out with packsaddle forges, a forge cart or forge wagon (as may be available) will be issued in lieu.

† When stock is exhausted, shovels, G.S., will be issued in lieu.

†† Royal Engineers will receive spades, Mark III, in lieu.

Table 1—continued. Camp Equipment. Standing Orders.

Description.	Proportion.
<i>Section No. 11.</i>	
Tables, soldiers	{ tops { 4 feet ...
	{ 6 " ...
	{ trestles
	1 for each headquarters office. 3 per unit (except headquarters) for orderly room and quartermaster's stores. 2 per table top.
<i>Section No. 12.</i>	
Implements, butchers	1 set per headquarters or other unit (see Table 2).
Pails, I.G., 3 gallons	1 per tent (except office tents).
Scales, weighing, iron beam, with triangles, and sets of weights, 5 cwt.	1 per camp.
Stones, rub, scythe (or rag)	6 per regiment of cavalry or battalion of infantry, 2 per headquarters or other unit.
<i>Section No. 13A.</i>	
Blankets, G.S.	2 per W.O., N.C.O. and man.
Stretchers, regimental	1 per unit (except headquarters).
<i>Section No. 21A.</i>	
Carts	{ small arm ammunition {
	{ water {
	1 per regiment of cavalry or battalion of infantry if required. As required—unless water is laid on to the cooking places on the camp ground when 1 per regiment of cavalry, 2 per battalion of infantry, 1 per headquarters or other unit only will be supplied.
<i>Section No. 28F.</i>	
Hammers, platelayers sledge*	6 per regiment of cavalry or battalion of infantry, 2 per headquarters, 4 per other unit.
<i>Section No. 29F.</i>	
Wedges, sawyers, steel*	6 per regiment of cavalry or battalion of infantry, 4 per headquarters or other unit.

* Supplied only when wood that requires splitting is issued.

N.B.—Mounted infantry battalions draw on the same scale as regiments of cavalry.

Scale for Officers' Mess (if number of members exceeds 12).
Standing Camps only.

Description.	Proportion.
<i>Section No. 2A.</i>	
Stoves , Soyer's	2
Tents , { circular, single linen	2
com- { marquee, hospital, small....	1
plete, { ridge pole or marquee,	1
{ hospital, small	1
{ store ...	1
	} per mess.
<i>Section No. 11.</i>	
Chairs , Windsor	1 per officer and 6 per mess.
Tables , soldiers { tops { 6-feet	1 per 4 officers and 2 spare per mess.
{ 4 "	4 per mess.
{ trestles..	2 per table top.
<i>Section No. 12.</i>	
Cans , 3 gallons ..	3 per mess.
Dishes , meat, tin, 17½-inches	6 per mess.
Tubs , washing, 8 gallons, iron	4 per mess.

TABLE 2.

BUTCHERY IMPLEMENTS.

Description.	No. per set.	General proportions.
<i>Section No. 12.</i>		
IMPLEMENTS, BUTCHERS.		
Balances , spring, 4 lb.	1	} 1 set per head-quarters, and 1 set per mounted and dismounted unit.
Cases , wood, empty	1	
Sheets , ground (unserviceable)*	1	
Choppers , meat	1	
Hooks , dressing, 9-in.	6	
Knives , { cutting	1	
{ flaying, large	1	
Saws , tenon, 14-in.	1	
Steels	1	
Steelyards , 56 lb.	1	

* To place the cut-up meat upon. A chopping block, if required, must be improvised.

TABLE 3.

SCALE OF CAMP EQUIP-

Description.		All Units.	Headquarters Units.	Cavalry and Mounted Infantry.*	Royal Artillery.
<i>Section No. 2A.</i>					
79 1254	Axes, felling, curved helve	... ..	1 per unit ...	1 per hd. qrs.; 1 per squadron	2 per unit...
	Axes, hand, 2 lb. 2 oz.	... ..	1 per unit ...	1 per hd. qrs.; 1 per squadron	... ..
	Bags, letter, field ..	... ..	1 per unit ...	... ..	... ..
	Boxes, stationery, field (a).	... ..	1 per unit ..	1 per unit ...	1 per unit...
	Buckets, water G.S. canvas	1 per 2 horses.	... ..	... ..	... ..
	Chairs, camp...	... ..	1 per General Officer	... ..	... ..
	Cords, forage...	1 per 4 horses.	... ..	... ..	... ..
	Covers, saddle ...	1 per horse.	... ..	... ..	... ..
	Flags, distinguishing (b)—				
	poles, 16 ft. ... ..	} ... ..	... ..	... ..	... ..
	cross bars ... pairs				
A.O. 212 1908	Kettles, camp, oval, 12 qts.	1 per 16 W.O.'s. N.C.O.'s and men, with 50 per cent. additional, if specially ordered (c)	... ..	... ..	... ..
79 1254	Lamps, candle ...	... ..	1 per office.	... ..	... ..
	Lanterns, tent, distinguishing (d)	... ..	... ..	... ..	... ..
79 1254	Lanterns, tent, folding	... ..	1 per unit ...	3 per hd. qrs.; 3 per squadron	2 per unit...
	Mallets, heel peg ...	1 per 8 horses or less (e)	... ..	... ..	... ..
A.O. 97 1906	Mauls, G.S. ...	1 per 50 horses.	... ..	... ..	... ..

* A company of mounted infantry will draw

MENT FOR MANŒUVRES.

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	2 per unit	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 companies	... ..	2 per unit.	
... ..				
1 per unit	1 per unit	1 per unit	1 per unit	(a) Exclusive of contents, which will be provided by the units concerned.
... ..				
... ..				
... ..				
... ..				
... ..	... ..	... ..	... ..	(b) As required. See Combined Training, Sections VI to IX.
... ..	... ..	... ..	... ..	(c) Required if cooks are sent on over night to next camping ground.
... ..				
... ..	... ..	... ..	... ..	(d) As required. See Combined Training, Sections VI to IX.
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	2 per unit	2 per unit	2 per unit.	
... ..	... ..	... ..	... ..	(e) Officers' horses not picketed with public horses to be calculated separately.
... ..				

equipment as a squadron of cavalry.

TABLE 3—continued.

Camp Equipment

Description.		All Units.	Headquarters Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Section No. 2A.</i>					
	Pegs , picketing with rope loop	2 per horse and 15 per cent. spare.	... ..	... ..	... ..
A.O. 97 1906	Posts , picket, 2½ feet	1 per 10 horses (to increase stability of built up rope).	... ..	... ..	... ..
	Racks , arm, tent ...	1 per N.C.O. and men's tent, except medical units.	... ..	... ..	... ..
	Ropes , head, hemp with ring	1 per horse and 10 per cent. spare.	... ..	... ..	... ..
A.O. 97 1906	Ropes , heel, Mk. IV...	1 per horse and 15 per cent. spare.	... ..	... ..	... ..
A.O. 97 1906	Ropes , picketing, 4 ft. 9 in.	1 per horse and 5 per cent. spare.	... ..	... ..	... ..
	Rugs , horse	1 per public horse.	... ..	... ..	... ..
	Screens , latrine ...	1 for officers, 1 for N.C.O.'s, and 1 per squadron or company.	... ..	... ..	... ..
	Sheets , ground ...	8 per N.C.O.'s and men's tent, 1 per man when less than 8 in a tent, and, if required, for detached duties, sheets ground up to 15 per cent. of the strength of the unit may be drawn in addition.	... ..	... ..	... ..
	Stools , camp ... ..	... ..	1 per officer ...	1 per hd. qr. office	... ..
	Tables , camp ... ..	... ..	1 per G.O.C. (personal use) 1 per office tent (excluding marquee)	1 per hd. qr. office	... ..

[illegible]

TABLE 3—continued.

Camp Equipment

Description.	All Units.	Headquarters Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Section No. 2A.</i>				
79 1254 | Tables, portable, F.S., 6 ft.	... ..	2 per hd. qrs. office mar- quee.	... ..	... ..
Tents, complete C.D.L.	... ..	1 per General Officer.	... ..	... ..
		{ 1 per field offi- cer; 1 per 2 other offi- cers; and 1 per 6 other ranks (to in- clude the tents re- quired for guards and officers)	{ 1 per C.O. regiment; 1 per M.O., if any (to be used also as inspection tent; 1 per 3 other officers; 2 for guard per regi- ment (1 for guard per detached squadron); 1 for office per regi- ment; 1 per 12 W.O.'s, N.C.O.'s, and men	1 per C.O. Brigade; 1 per 3 offi- cers; 1 per 12 other ranks
79 1254 | Tents, complete C.S.L.	(k)			
79 1254 | Tents, complete marquee, H.P., small	... ..	1 for officers' mess if re- quired; 1 per hd. qrs. office.	... ..	... ..
<i>Section No. 2B.</i>				
79 1254 | Axes, { heads 4½ lb. ... } picks { helvcs 36 in. ferruled }	... ..	1 per unit ...	1 per hd. qrs.; 1 per squadron	2 per unit...
79 1254 | Shovels, G.S. *	... ..	1 per unit ...	2 per hd. qrs.; 2 per squadron	1 per unit...
79 1254 | Spades, N.P. *†	... ..	1 per unit ...	2 per hd. qrs.; 2 per squadron	1 per unit...

* Royal Engineers receive
† When stock is exhausted

for Manœuvres.

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
... ..				
... ..				
1 per 3 officers; 1 per 12 other ranks	1 per C.O. bat- talion; 1 per M.G., if any (to be used also as an in- spection tent); 1 per 3 other officers; 1 for guard per battalion; 1 for office per battalion; 1 per 12 W.O.'s, N.C.O.'s, and men	1 per 3 officers; 1 per 12 other ranks	1 per 3 officers; 1 per 12 other ranks	(k) Tents to be calculated separately for head- quarters, squadrons, batteries, companies, &c.; any fraction of 12 to count as 12. A W.O. to count as 3 men; other N.C.O.'s above the rank of corporal to count as 2 men. If cooks are sent on over- night to next camping ground, extra tents should be allowed for their use.
... ..				
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 com- panies	2 per unit ..	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 com- panies	2 per unit ...	2 per unit.	
1 per $\frac{1}{2}$ Tel. Div. 1 per balloon section 2 per other unit	1 per hd. qrs.; 1 per 2 com- panies	2 per unit ..	2 per unit.	

spades Mark III, in lieu.
shovels G.S. will be issued.

TABLE 3—continued.

Camp Equipment

Description.	All Units.	Headquarters Units.	Cavalry and Mounted Infantry.	Royal Artillery.
<i>Section No. 5A.</i>				
Bags, ncse, G.S. ...	1 per officer's horse.	... ..	... ..	... ..
<i>Section No. 5B.</i>				
Forges, packsaddle or G.S. ...	... ..	1 per brigade hd. qrs., R.A.	... ..	1 per detached battery
<i>Section No. 11.</i>				
Brooms, bass... ...	... ..	1 per 25 horses or less	1 per 25 horses	1 per 25 horses
<i>Section No. 12.</i>				
Implements, butchers ... sets ...	1 per unit.	... ..	... ..	... ..
Pails, I.G., 3 gallons (or buckets, canvas) ...	1 per N.C.O. and men's tent.	... ..	... ..	... ..
<i>Section No. 13A.</i>				
Blankets, G.S. ...	1* per W.O., N.C.O., and man.	... ..	... ..	... ..
<i>Section No. 21A.</i>				
Carts, S.A.A. .... ...	... ..	... ..	1 per regiment; 1 per company mounted infantry	... ..
⁷⁹ ₁₂₅₄ } Carts, water (m) ...	... ..	1 per unit ...	2 per regiment; 1 per detached squadron	1 per unit...
<i>Section No. 23F.</i>				
Hammers, plate-layers sledge ...	... ..	1 per unit ...	2 per regiment; 1 per detached squadron	1 per unit...
<i>Section No. 29F.</i>				
Wedges, sawyers steel ...	... ..	2 per unit ...	2 per regiment; 2 per detached squadron	2 per unit

* A second blanket per man will be stored in ordnance depôts

for Manœuvres.

Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.	Remarks.
...	...	...	...	
...	...	1 per unit	...	
1 per 25 horses	1 per head qrs.; 1 per company	1 per 25 horses	2 per unit.	
...	...	...	...	
...	...	...	...	
...	...	...	...	
...	1 per unit.	...	...	
1 per unit	2 per unit	1 per unit	1 per unit	(n) Carts, water tank, if available; if insufficient available, infantry units should be supplied as far as possible, barrels being issued to mounted units.
1 per unit	2 per unit	1 per unit.	1 per unit.	
2 per unit	4 per unit	2 per unit	2 per unit.	

in the manœuvre area, ready for issue if specially ordered.

TABLE 3—continued.

**SCALE OF EQUIPMENT FOR MESSES ON
MANŒUVRES.**

I.—Large Mess.

Description.										Proportion.
Section No. 2A.										
Lamps, candle...	...	...	...	...	...	...	...	...	...	1 per 6 officers.
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	4
Screens, latrine	...	...	...	...	...	...	...	...	...	1
Tables, portable, F.S., 6-ft....	...	...	...	...	...	...	...	...	...	1 per 6 officers and 2 spare.
Tents com- plete	{	marquee, hospital, small		...	...	...	...	...	...	1
(If more than 24 officers an additional marquee may be drawn.)		...	...	...	...	...	...	...		
	{	circular, single, linen		...	...	...	...	...	...	1
		...	...	...	...	...	...	...		
Section No. 2B.										
Shovels, G.S.	...	...	...	...	...	...	...	...	...	1

II.—Small Mess.

<i>Section No. 2A.</i>										
Lamps , candle...	...	...	...	...	...	...	...	...	...	1
Lanterns , tent, folding	...	...	...	...	...	...	...	...	...	1
Tables , portable, F.S., 6-ft.	...	...	...	...	...	...	...	...	...	1
Tents , complete circular, single linen	...	...	...	...	...	...	...	...	...	1

TABLE 3—continued.

SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTES
ON MANŒUVRES.

I.—Full Canteen.

Description.											Proportion.
<i>Section No. 2A.</i>											
Lanterns, tent, folding											3
Tables, portable, F.S., 6-ft.											2
Tents, complete marquee, hospital, small, without lining											1
<i>Section No. 12.</i>											
Machines, weighing 28 lb.											1
Pails, I.G.											2
Weights	brass	{	$\frac{1}{2}$ oz.	...	...	...	...	...	...	...	1
			1 oz.	...	...	...	...	...	...	...	1
	iron ring	{	$\frac{1}{4}$ lb.	...	...	...	...	...	...	...	1
			$\frac{1}{2}$ "	...	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	...	1
			2 "	...	...	...	...	...	...	...	1

II.—Half Canteen.

Section No. 2A.

Lanterns, tent, folding											2
Tables, portable, F.S., 6-ft.											1
Tents, complete ridge, pole, or marquee hospital, small											1

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Section No. 12.

Machines, weighing, 28 lbs.											1
Pails, I.G.											1
Weights	brass	{	$\frac{1}{2}$ oz.	...	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	...	1
	iron ring	{	$\frac{1}{4}$ lb.	...	...	...	...	...	...	...	1
			$\frac{1}{2}$ "	...	...	...	...	...	...	...	1
			1 "	...	...	...	...	...	...	...	1
			2 "	...	...	...	...	...	...	...	1

APPENDIX VIII.

(Referred to in paragraph 383.)

MATERIALS FOR REPAIR AND PRESERVATION OF ARMS.

I. MATERIALS FOR REPAIRING ARMS.

The following tables contain lists of the various parts of arms supplied to the regular army, at public expense, for the use of armourers.

The scales for rifles, carbines, and their side arms, are based upon the numbers required for 1000 arms. In the case of units having a greater or less number than 1000 arms of one mark or pattern, or of various marks or patterns, proportionate quantities will be demanded for each description of arm. Fractional results should be taken as whole numbers, and allowance should be made for any number in possession of corps.

In the case of mobilization arms, particular care must be taken to ensure that the authorised proportion of components suited to each mark of arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the arms of units unprovided with armourers, will be demanded and accounted for by the officer whose armourer is detailed to perform the work. The parts of interchangeable arms are, as a rule, issued in a finished state:—

TABLE 1.—Carbines, Martini-Metford and Martini-Enfield, and Rifles, Martini-Enfield.

Description.				Annual proportion for 1,000 arms.†					Rifles, Martini-Enfield, Mark I.
				Carbines, Artillery.					
				Martini-Metford.		Martini-Enfield.			
				Mark II.	Mark III.	Mark I. and I*.	Mark II. and II*.	Mark III.	
<i>Weedon Section.</i>									
Bands	{	lower, M.L.M. rifle, Mark II	...	...	—	—	—	—	1
		upper, M.E. rifle, Mark I	...	...	—	—	—	—	1
Blocks	{	breech, M.M.	...	...	1	1	1	1	1
		M.E. rifle, Mark I	...	...	—	—	—	—	1
Bolts, stock, M.M.	{	catch, lever, M.M.	...	...	1	1	1	1	1
		M.E. rifle, Mark I	...	...	1	1	1	1	1
Caps, nose, M.E.	{	rifle, Mark I	...	...	1	1	1	1	1
		carbine, artillery, Mark III	...	...	—	—	—	—	1
Cords, pull-through			...	...	2000	2000	2000	2000	2000
Extractors	{	M.M.	...	...	1	1	1	1	1
		M.E. rifle, Mark I	...	...	—	—	—	—	—
Guards	{	trigger, M.M.	...	...	1	1	1	1	1
		band, M.E. rifle, Mark I	...	...	—	—	—	—	1
Gauze, wire, pieces of			...	...	2000	2000	2000	2000	2000
Holders, rod, M.E. rifle, Mark I			...	...	—	—	—	—	3
Hooks, fore end, M.M.			...	...	—	2	2	2	2
Indicators, M.M.			...	...	10	10	10	10	10

† The instructions in the paragraph preceding Table I. should be observed in preparing indents.

TABLE 1—continued.—Materials for Repair of Carbines, Martini-Metford and Martini-Enfield, and Rifles, Martini-Enfield.

Description.		Annual proportion for 1,000 arms.†					Rifles, Martini-Enfield, Mark I.
		Carbines, Artillery.					
		Martini- Metford.		Martini- Enfield.			
		Mark II.	Mark III.	Mark I. and I*.	Mark II. and II*.	Mark III.	
Weedon Section.		—	—	—	—	5	
Leaves, back sight	{ C.C.M.L.E. C.C., M.L.M., Mark III M.L.M. rifle, Mark II	— 5 —	— 5 —	— 5 —	— 5 —	— 5 —	— 5 —
Levers, breech, M.M.	...	1	1	1	1	1	1
Nuts	{ screw band, upper, M.L.M. rifle stop, M.M. axis { back sight, M.L.M. rifle block, M.M. block, catch, lever, M.M. extractor, M.M.	— 2 5 3 1 1	— 2 5 3 1 1	— 2 5 3 1 1	— 2 5 3 1 1	— 2 5 3 1 1	— 30 5 5 1 1
Pins	{ stop band { lower, M.L.M. rifle upper, M.E. rifle, Mark I stud, barrel, A.C., M.M., Mark II	— — 1	— — —	— — —	— — —	— — 1	— — —
Rivets, spring, hand guard, M.L.M. rifle	...	—	—	—	—	—	10
	{ band { lower, M.L.M. rifle, Mark II upper, M.E. rifle, Mark I bed, back sight, M.L.M. rifle back sight, M.L.M. rifle cap { nose, M.L.M. rifle " M.E. rifle, Mark I	— — 5 5 5 —	— — 5 5 5 —	— — 5 5 5 —	— — 5 5 5 —	— — 5 5 5 —	— — 4 5 5 6
screws	{ holder, rod { long, M.E. rifle short " " hook, fore-end, M.M. keeper { indicator, M.M. stop nut " " plate, butt spring { sight, back, M.L.M. rifle trigger, M.M. swivel, band, A.C., M.M. § trigger, M.M.	— — — 6 4 10 5 4 4 4 5	— — 4 6 4 10 5 4 4 4 5	— — 4 6 4 10 5 4 4 4 5	— — 4 6 4 10 5 4 4 4 5	— — 4 6 4 10 5 4 4 4 5	— — 4 6 4 10 5 4 4 4 5
Slides	{ back sight, C.C., M.L.M., Mark I " M.L.M. rifle, Mark II sight, back, M.L.M. rifle block, catch, lever, M.M.	— — 3 2	— — 3 2	— — 3 2	— — 3 2	— — 3 2	— — 3 2
Springs	{ hand guard, upper, M.L.M. rifle, Mark II main, M.M. trigger, M.M. butt ... { long, M.M. short " "	— 10 6 1 —	— 10 6 1 —	— 10 6 1 —	— 10 6 1 —	— 10 6 1 —	— 10 6 1 —
Stocks	{ A.C., M.M., Mark II fore-end { A.C.M.E., Mark II and II*¶ M.E. rifle, Mark I	1 — —	— 1 —	— 1 —	— 1 —	— 1 —	— — 1
Stops, stud, barrel, A.C., M.M., Mark II	...	1	—	—	—	1	1
Strikers, M.M.	...	15	15	15	15	15	15
Studs, barrel, A.C., M.M., Mark II	...	1	—	1	—	—	—
	{ band { M.M., A.C. † M.L.M. rifle, Mark II ‡	5 —	5 —	5 —	5 —	5 —	5 —
Swivels	{ butt, M.L.M. rifle piling, M.L.M. rifle, Mark II	5 —	5 —	5 —	5 —	5 —	5 20
Triggers	{ M.M. M.E. rifle	3 —	3 —	3 —	3 —	3 —	3 3
Tumblers, M.M.	...	3	3	3	3	3	3
Washers, bolt, stock, M.L.M. rifle	...	2	2	2	2	2	2

† See note “†,” page 194.

‡ Band combined with nose cap.

§ Same as screw, swivel, piling, M.L.M. rifle, Mark II.

¶ This is the only component special to these arms in this table.

TABLE 2.—Materials for Repair of Carbines and Rifles,
Magazine Lee-Metford and Magazine Lee-Enfield.

Description.		Annual proportion per 1,000 arms.‡					
		Carbines, Cavalry.		Rifles.			
		M.L.M. Mark I.	M.L.E. Mark I. and I*.	M.L.M. Mark I.*	M.L.M. Mark II.	M.L.M. Mark II.*	M.L.E. Mark I. and I*.
<i>Weedon Section.</i>							
Bands	{ lower, { rifle { Mark I* ... { M.L.M. { carbine " II ... { upper, M.L.M., Mark I* ...	...	...	3	—	—	—
		...	3	3	—	3	3
		...	3	—	—	—	—
Barleycorns, front sight, M.L.M. rifle, Mark I*		...	...	30	—	—	—
Beads, pointer, dial, { Mark I* ... { " II ...	{ sight, M.L.M. rifle {	...	...	—	—	—	—
		...	—	5	5	5	
Bolts, M.L.M.	{ breech { rifle { Mark I* ... { carbine " II ... { stock { No. 1 ... { " 2 ...	...	...	—	—	—	—
		...	15	15	—	15	15
		...	1	1	1	1	1
Bottles, oil, M.L.M.	{ stoppers ... { washers ...	...	5	5	5	5	5
		...	10	10	10	10	10
Caps, nose	{ M.L.M. { rifle { Mark I*† ... { carbine† " II† ... { M.L.E. { rifle† ... { carbine† ...	...	...	—	—	—	—
		...	1	—	—	—	—
		...	—	—	—	—	—
		...	1	—	—	—	
Cases, magazine, M.L.M.	{ rifle { Mark I* ... { carbine " II ...	...	...	5	—	—	—
		...	5	5	—	5	5
Catches, M.L.M.	{ magazine, rifle { Mark I* ... { " II ... { safety, carbine ...	...	5	5	—	5	5
		...	10	10	—	10	10
Cocking-pieces, M.L.M.	{ rifle { Mark I* ... { carbine " II ...	...	...	30	—	—	—
		...	30	30	—	30	30
Collars, screw, front, trigger guard M.L.M. ...		1	1	1	1	1	1
Cords, pull-through ...		2,000	2,000	2,000	2,000	2,000	2,000
Covers, M.L.M.	{ bolt, breech, rifle { Mark I* ... { " II ... { back-sight, carbine ...	...	10	10	—	10	10
		...	6	6	—	—	—
Cut-offs, M.L.M. rifle { Mark I* ... { " II ...		...	5	5	—	5	5
Extractors, M.L.M. rifle	{ Mark I* ... { " II ... { rifle { Mark I* ...	...	20	20	—	20	20
		...	—	80	—	40	40
Guards	{ hand, M.L.M. { carbine " II ... { rifle { Mark I* ...	...	20	20	—	—	—
		...	1	—	1	1	1
Gauze, wire, pieces of ...		2,000	2,000	2,000	2,000	2,000	2,000
Heads, bolt, breech, M.L.M. rifle	{ Mark I* ... { " II ...	...	10	10	—	10	10
		...	—	—	—	—	—
Leaves, back-sight	{ M.L.M. { rifle { Mark I* ... { carbine " II ... { M.L.E. carbine ...	...	5	—	—	5	5
		...	—	5	—	—	—
		...	—	—	—	—	—

† Combined with upper band.

‡ For arms fitted with keeper plates; may be drawn as required.

§ See note "†," page 194.

|| Leaves backsight with V in cap and slide .03 inch left are issued for rifles M.L.E. with foresights .05 inch left.

TABLE 2—continued.—Materials for Repair of Carbines and Rifles, Magazine Lee-Metford and Magazine Lee-Enfield.

Description.		Annual proportion per 1,000 arms.‡					
		Carbines, Cavalry.		Rifles.			
		M.L.M. Mark I.	M.L.E. Mark I. and I*.	M.L.M. Mark I*.	M.L.M. Mark II.	M.L.M. Mark II*.	M.L.E. Mark I. and I*.
<i>Weedon Section.</i>							
Screws.	{ spring-trap, butt-plate ...	5	5	5	5	5	5
	{ swivel { piling rifle ...	—	—	5	5	5	5
	{ trigger guard, rifle, Mark I* ...	—	—	5	—	—	—
Sears, M.L.M.	{ Mark I* ...	—	—	15	—	—	—
	{ " II ...	15	15	—	15	15	15
Sights, aperture, M.L.M. rifle ...		—	—	5	5	5	5
Slides, M.L.M., back sight {	rifle { Mark I* ...	—	—	5	—	—	—
	carbine " II ...	—	—	—	5	5	5
	cut off, rifle, Mark I* ...	5	5	—	—	—	—
Springs, M.L.M.	extractor ...	40	40	40	40	40	40
	guard, { lower { Mark I* ...	—	—	2	—	—	—
	hand, { " II ...	—	—	—	2	2	2
	rifle { upper { " I* ...	—	—	2	—	—	—
	" " II ...	—	—	—	2	2	2
	link, magazine, rifle, Mark I* ...	—	—	200	—	—	—
	main ...	150	150	150	150	150	150
	platform, { rifle { Mark I* ...	—	—	75	—	—	—
	magazine { carbine... " II ...	25	25	—	25	25	25
	pin, catch, safety, carbine ...	10	10	—	—	10	10
Sear	retaining { breech bolt ...	5	5	5	5	5	5
	band ...	5	5	—	—	—	—
	sear ...	15	15	15	15	15	15
Sight	{ aperture, rifle ...	—	—	15	15	15	15
	{ back ...	3	3	3	3	3	3
	{ dial, rifle ...	—	—	2	2	2	2
Stocks, M.L.M.	trap, butt-plate ...	10	10	10	10	10	10
	{ butt { rifle { Mark I* { No. 1 ...	—	—	5†	—	—	—
		—	—	—	5	5	5
		—	—	—	5†	5†	5†
		—	—	—	—	—	—
	{ carbine ... { " II { " 1 ...	5	5	—	—	—	—
		5†	5†	—	—	—	—
		—	—	—	—	—	—
		—	—	—	—	—	—
	{ fore-end { rifle { Mark I* { No. 1 ...	—	—	5	—	—	—
		—	—	5†	—	—	—
		—	—	—	5	5	5
		—	—	—	5†	5†	5†
Strikers, M.L.M.	{ carbine ... { " 1 ...	5	5	—	—	—	—
	{ carbine ... { " 2 ...	5†	5†	—	—	—	—
	{ rifle, Mark I* ...	—	—	30	30	30	30
Swivels, M.L.M.	{ band, rifle { Mark I* ...	—	—	5	—	5	5
	{ butt ... { " II ...	—	—	5†	5	5	5
	{ guard, trigger, rifle, Mark I* ...	—	—	5	—	—	—
Traps, M.L.M., butt-plate, rifle {	Mark I* ...	—	—	30	30	30	30
	" II ...	—	—	—	30	30	30
	Triggers, M.L.M. rifle { Mark I* ...	—	—	3	—	—	—
Wads, bolt, stock, M.L.M.	" II ...	3	3	—	3	3	3
	Washers, { bolt, stock ...	30	30	30	30	30	30
	{ guard, hand, or rivet, fore-end ...	2	2	2	2	2	2
Washers, M.L.M.	{ screw, fixing, dial sight, rifle ...	5	5	20	20	20	20
		—	—	3	3	3	3

* Normal, $\frac{1}{2}$ -inch long, $\frac{1}{4}$ -inch short as required.

† For arms fitted for No. 2 stock bolt, marked (2) on the right side at socket end.

‡ For rifle regiments and mounted infantry only.

§ See note "†," page 194.

TABLE 3.—Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.†											A.O.	
	Mounted units.						Dismounted units.					58	
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					1908	
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	
<i>Weedon Section.</i>													
Bands, outer, M.L.E.R.S. I.	10	10	10	10	10	10	10	10	10	10	10	10	
Barleycorns, foresight, M.L.E.R.S. I. :—													
'93 inch	6	6	6	6	—	—	6	6	6	6	—	—	
'945 "	6	6	6	6	—	—	6	6	6	6	—	—	
'96 "	6	6	6	6	—	—	6	6	6	6	—	—	
'975 "	6	6	6	6	—	—	6	6	6	6	—	—	
'99 "	6	6	6	6	—	—	6	6	6	6	—	—	
Beads, pointer, dial sight, M.L.M.R. II.	15	15	15	15	15	15	5	5	5	5	5	5	
Blades, foresight, M.L.E.R.S. III. :—													
0'985 inch	—	—	—	—	6	6	—	—	—	—	6	6	A.O.
1'0 "	—	—	—	—	6	6	—	—	—	—	6	6	212
1'015 "	—	—	—	—	6	6	—	—	—	—	6	6	1908
1'03 "	—	—	—	—	6	6	—	—	—	—	6	6	
1'045 "	—	—	—	—	6	6	—	—	—	—	6	6	
Bolts, breech, M.L.E.R.S. I.	15	15	15	15	15	15	15	15	15	15	15	15	
" locking, " I.	20	20	20	20	—	—	20	20	20	20	—	—	
" " " III.	—	—	—	—	20	20	—	—	—	—	20	20	
" stock, " I.	1	1	1	—	1	—	1	1	1	—	1	—	
" " M.L.E. No. 2 ...	—	—	—	1	—	1	—	—	—	1	—	1	
Bottles, oil, M.L.M. :—													
Stoppers †	5§	5	5§	5	5	5	5§	5	5§	5	5	5	
Washers †	10§	10	10§	10	10	10	10§	10	10§	10	10	10	
Brackets, swivel, butt, M.L.E.R.S. I*.	—	5	5||	5	5	5	—	5	5||	5	5	5	
Caps, handguard, front, M.L.E.R.S. I.	1	1	1	1	1	1	1	1	1	1	1	1	
Caps, nose, M.L.E.R.S. I. ...	1	1	1	1	—	—	1	1	1	1	—	—	
" " " III.	1¶	1¶	1¶	1¶	1	1	1¶	1¶	1¶	1¶	1	1	
Cases, "magazine, M.L.E.R.S. I., No. 1	5	5	5	5	—	—	5	5	5	5	—	—	
" " M.L.E.R.S. I., No. 2	5¶	5¶	5¶	5¶	5	5	5¶	5¶	5¶	5¶	5	5	
Catches, magazine, M.L.M.R. II.	5	5	5	5	5	5	5	5	5	5	5	5	
" safety, bolt, locking, M.L.E.R.S. I.	10	10	10	10	10	10	10	10	10	10	10	10	
" slide, backsight, M.L.E.R.S. I. (with stud)	20	20	20	20	—	—	10	10	10	10	—	—	
" slide, backsight, M.L.E.R.S. III. ...	—	—	—	—	5	5	—	—	—	—	5	5	

† See Note "†" on page 194.

‡ Mark II for Mark II oil bottles, and Mark III for Marks III and IV oil bottles.

§ When fitted with butt plates having traps.

|| When fitted with this component.

¶ This pattern will be issued when the stock of the preceding pattern is used up.

TABLE 8—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.†											
	Mounted units.					Dismounted units.						
	Rifles, short, M.L.E.					Rifles, short, M.L.E.						
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section.</i>												
Clips, stop, magazine, M.L.E.R.S. I.	15	15	15	15	15	15	15	15	15	15	15	15
Cocking-pieces, M.L.E.R.S. I*.	20	20	20	20	20	20	20	20	20	20	20	20
Collars, screw, front, trigger guard, M.L.M.	1	1	1	1	1	1	1	1	1	1	1	1
Cords, pull-through ...	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Cut-offs, M.L.E.R.S. I*.	5	5	5	5	5	5	5	5	5	5	5	5
Discs, marking, butt ...	5	5	5	—	5	—	5	5	5	—	5	—
Extractors, M.L.E.R.S. I.	20	20	20	20	20	20	20	20	20	20	20	20
Fine-adjustments, back-sight, M.L.E.R.S. I.	5	5	5	5	—	—	5	5	5	5	—	—
Gauze, wire, pieces, pull-through... ..	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
Guards, hand, { front ...	20	20	20	20	—	—	20	20	20	20	—	—
M.L.E.R.S. I. { rear ...	20	20	20	20	—	—	20	20	20	20	—	—
Guards, hand, { front ...	—	—	—	—	20	20	—	—	—	—	20	20
M.L.E.R.S. III. { rear ...	—	—	—	—	10	10	—	—	—	—	10	10
Guards, trigger, M.L.E.R.S. I.	1	1	1	1	1	1	1	1	1	1	1	1
Guides, charger, head, breech bolt, M.L.E.R.S. I., No. 1.	20	20	20	20	—	—	20	20	20	20	—	—
„ charger, head, breech bolt, M.L.E.R.S. I., No. 2† ...	20	20	20	20	—	—	20	20	20	20	—	—
Heads, breech bolt, M.L.E.R.S. I.	15	15	15	15	—	—	15	15	15	15	—	—
„ breech bolt, M.L.E.R.S. III.	—	—	—	—	15	15	—	—	—	—	15	15
„ screw, wind-gauge, backsight, M.L.E.R.S. III.	—	—	—	—	10	10	—	—	—	—	10	10
Leaves, backsight, M.L.E.R.S. I. (Un-assembled) ...	5	5	5	5	—	—	5	5	5	5	—	—
„ backsight, M.L.E.R.S. III. (Unassembled)	—	—	—	—	5	5	—	—	—	—	5	5
Nuts, screw, back, nose-cap, M.L.E.R.S. I.	1	1	1	1	1	1	1	1	1	1	1	1
„ screw, protector, back-sight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5
Pins, axis, backsight, M.L.E.R.S. I.	2	2	2	2	—	—	2	2	2	2	—	—
„ axis, backsight, M.L.E.R.S. III.	—	—	—	—	2	2	—	—	—	—	2	2

† See Note "†" on page 194.

‡ When this pattern is issued No. 2 stop screws will be required.

TABLE 3—continued. Materials for Repair of Rifles, short, M.L.E.

Description.		Annual proportion per 1,000 arms.†											
		Mounted Units.					Dismounted Units.						
		Rifles, short, M.L.E.					Rifles, short, M.L.E.						
		Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Weedon Section.													
Pins,	axis, trap, butt plate, M.L.E.R.S. I*. No. 2 ...	5‡	5‡	5‡	—	5	—	10‡	10‡	10‡	—	10	—
"	axis, trap, butt plate, M.L.M. ...	—	—	—	5	—	5	—	—	—	10	—	10
"	axis, worm, fine-adjustment, catch, slide, backsight, M.L.E.R.S. III. ...	—	—	—	—	5	5	—	—	—	—	5	5
"	catch, magazine, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
"	fixing, head, screw, windgauge, M.L.E.R.S. III. ...	—	—	—	—	10	10	—	—	—	—	10	10
"	fixing, stud, head, catch, slide, backsight, M.L.E.R.S. I. ...	5	5	5	5	—	—	5	5	5	5	—	—
"	fixing, washer, pin, axis, backsight, M.L.E.R.S. I. ...	20	20	20	20	20	20	20	20	20	20	20	20
"	stop, band, lower, M.L.M.R.§ ...	2	2	2	2	2	2	2	2	2	2	2	2
"	stop, bolt, locking, M.L.E.R.S. I. ...	5	5	5	5	—	—	5	5	5	5	—	—
"	stop, bolt, locking, M.L.E.R.S. III. ...	—	—	—	—	5	5	—	—	—	—	5	5
"	trigger, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
Plates,	butt, M.L.E.R.S. I. ...	10	—	10	—	—	—	20	—	20	—	—	—
"	" " " I*. No. 1. ...	—	5	—	—	—	—	—	10	—	—	—	—
"	" " " I*. No. 2. ...	5‡	5‡	5‡	—	5	—	10‡	10‡	10‡	—	10	—
"	" " " M.L.M.R. II. ...	—	—	—	2	—	2	—	—	—	5	—	5
"	keeper, screw, windgauge, backsight, M.L.E.R.S. I. ...	2	2	2	2	—	—	2	2	2	2	—	—
"	keeper, stockbolt, M.L.E.R.S. I. ...	5	5	5	5	5	5	5	5	5	5	5	5
Platforms,	magazine, M.L.E.R.S. I. ...	5	5	5	5	5	5	5	5	5	5	5	5
Pointers,	sight, dial, M.L.M.R. II. ...	10	10	10	10	10	10	10	10	10	10	10	10
Protectors,	sight, back, M.L.E.R.S. III. ...	—	—	—	—	5	5	—	—	—	—	5	5
Rivets,	fore-end, M.L.E.R.S. I. ...	2	—	—	—	—	—	2	—	—	—	—	—
"	" " " M.L.M. ...	—	—	2	2	—	2	—	—	2	2	—	2
"	spring, handguard, M.L.E.R.S. I. ...	10	10	10	10	10	10	10	10	10	10	10	10

† See note “†” on page 194.

‡ When fitted with No. 2 Mark I* butt plates.

§ For “Pins, stop, band, outer,” in short rifles.

| This pattern will be issued when the stock of the preceding pattern is used up.

(Eq. R. 2220)

H 2

TABLE 3—continued. Materials for Repair of Rifles, short, M.L.E.

A.O. 222 1907	Description.	Annual proportion per 1,000 arms.†										
		Mounted Units.					Dismounted Units.					
		Rifles, short, M.L.E.					Rifles, short, M.L.E.					
		Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Weedon Section.												
Screws, band, inner, M.L.E.R.S. I. ...	2	2	2	2	2	2	2	2	2	2	2	2
„ bed, backsight, M.L.E.R.S. I. back	5	5	5	5	—	—	5	5	5	5	—	—
„ bed, backsight, M.L.E.R.S. I. front	5	5	5	5	—	—	5	5	5	5	—	—
„ cap,nose,M.L.E.R.S. I. back	5	5	5	5	5	5	5	5	5	5	5	5
„ „ „ M.L.E.R.S. I. front	5	5	5	5	5	5	5	5	5	5	5	5
„ catch, slide, back-sight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5
„ cut-off, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
„ disc, marking, butt ...	5	5	5	—	5	—	5	5	5	—	5	—
„ ejector, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
„ extractor, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
„ fine-adjustment,back-sight,M.L.E.R.S. I.	5	5	5	5	—	—	5	5	5	5	—	—
„ guard, trigger, M.L.E.R.S. I. back	20	20	—	—	20	—	20	20	—	—	20	—
„ guard, trigger, M.L.M. back ...	—	—	20	20	—	20	—	—	20	20	—	20
„ guard, trigger, M.L.M. front	5	5	5	5	5	5	5	5	5	5	5	5
„ keeper, fine-adjustment, backsight; handguard cap; and sight protector, top; M.L.E.R.S. I.	10	10	10	10	2	2	10	10	10	10	2	2
„ keeper, striker, M.L.E.R.S. I*.	25	25	25	25	25	25	25	25	25	25	25	25
„ plate, butt, iron ...	4	4	4	4	4	4	4	4	4	4	4	4
„ protector, backsight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5
„ sear, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
„ sight, dial, M.L.E.R.S. I. fixing	5	5	5	5	5	5	5	5	5	5	5	5
„ sight, dial, M.L.M. pivot ...	5	5	5	5	5	5	5	5	5	5	5	5
„ spring, sight, aperture, M.L.E.R.S. I.	10	10	—	—	10	—	10	10	—	—	10	—
„ spring, sight, aperture, M.L.M.	—	—	10	10	—	10	—	—	10	10	—	10
„ spring, sight, back, M.L.E.R.S. I.	5	5	5	5	—	—	5	5	5	5	—	—

† See Note “†” on page 194.

TABLE 3—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.†											
	Mounted Units.						Dismounted Units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section.</i>												
Screws , spring, sight, back, M.L.E.R.S. III. ...	—	—	—	—	5	5	—	—	—	—	5	5
„ spring, trap, butt plate, M.L.E.R.S. I*.	10‡	10	10‡	—	10	—	10‡	10	10‡	—	10	—
„ spring, trap, butt plate, M.L.M. ...	—	—	—	5	—	5	—	—	—	5	—	5
„ stop, charger guide, M.L.E.R.S. I., No.1§	30	30	30	30	—	—	30	30	30	30	—	—
„ stop, charger guide, M.L.E.R.S. I., No.2§	30	30	30	30	—	—	30	30	30	30	—	—
„ strap, butt plate, iron ¶	—	2	2¶	5	2	5	—	2	2¶	5	2	5
„ swivel, M.L.E.R.S. I*.	25	25	25	25	25	25	25	25	25	25	25	25
„ windgauge, backsight, M.L.E.R.S. I. ...	10	10	10	10	—	—	10	10	10	10	—	—
„ windgauge, backsight, M.L.E.R.S. III. ...	—	—	—	—	10	10	—	—	—	—	10	10
Scars , M.L.E.R.S. I. ...	20	20	20	20	20	20	20	20	20	20	20	20
Sights , aperture, M.L.M.R. ...	5	5	5	5	5	5	5	5	5	5	5	5
Slides , backsight, M.L.E.R.S. I.	2	2	2	2	—	—	2	2	2	2	—	—
„ „ M.L.E.R.S. III.	—	—	—	—	2	2	—	—	—	—	2	2
Springs , auxiliary, platform, magazine, M.L.E.R.S. I., No.1	5	5	5	5	—	—	5	5	5	5	—	—
„ auxiliary, platform, magazine, M.L.E.R.S. I., No.2	5a	5a	5a	5a	5	5	5a	5a	5a	5a	5	5
„ catch, slide, back-sight, M.L.E.R.S. I.	20	20	20	20	—	—	20	20	20	20	—	—
„ catch, slide, back-sight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5
„ extractor, M.L.M. fine - adjustment, backsight, M.L.E.R.S. I. ...	20	20	20	20	—	—	20	20	20	20	—	—
„ guard, hand, rear, double, M.L.E.R.S. I.	5	5	5	5	5	5	5	5	5	5	5	5
„ main, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
„ platform, magazine, M.L.E.R.S. I.	20	20	20	20	20	20	20	20	20	20	20	20
„ retaining, breech bolt, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5

† See Note "†" on page 194.

‡ When fitted with Mark I* butt plates.

§ For No. 1 or No. 2 charger guides as required.

¶ Also for "Bracket, swivel, butt."

¶ When fitted with "Bracket, swivel, butt."

a For No. 2 Magazine only.

TABLE 3—continued. Materials for Repair of Rifles, short M.L.E.

A.O.
222
1907

Annual proportion per 1,000 arms.†												
Description.	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section.</i>												
Springs, screw, band,												
inner, M.L.E.R.S. I.	5	5	5	5	5	5	5	5	5	5	5	5
" screw fine-adjust-												
ment, backsight,												
M.L.E.R.S. I. ...	5	5	5	5	—	—	5	5	5	5	—	—
" screw, windgauge,												
back - sight,												
M.L.E.R.S. I. ...	5	5	5	5	—	—	5	5	5	5	—	—
" screw windgauge,												
back - sight,												
M.L.E.R.S. III. ...	—	—	—	—	10	10	—	—	—	—	10	10
" sear, M.L.M. ...	15	15	15	15	15	15	15	15	15	15	15	15
" sight, aperture,												
M.L.E.R.S. I. ...	20	20	—	—	—	—	20	20	—	—	—	—
" sight, aperture,												
M.L.E.R.S. III. ...	20‡	20‡	—	—	20	—	20‡	20‡	—	—	20	—
" sight, aperture,												
M.L.M. ...	—	—	20	20	—	20	—	—	20	20	—	20
" sight, back,												
M.L.E.R.S. I. ...	3	3	3	3	—	—	3	3	3	3	—	—
" sight, back,												
M.L.E.R.S. III. ...	3‡	3‡	3‡	3‡	3	3	3‡	3‡	3‡	3‡	3	3
" sight, dial, M.L.M.												
trap, butt plate,												
M.L.E.R.S. I* ...	25‡	25	25‡	—	25	—	25‡	25	25‡	—	25	—
" trap, butt plate,												
M.L.M. ...	—	—	—	10	—	10	—	—	—	10	—	10
" stud, fore-end,												
M.L.E.R.S. I. ...	5	5	5	5	5	5	5	5	5	5	5	5
" windgauge, back-												
sight, M.L.E.R.S.												
III.	—	—	—	—	10	10	—	—	—	—	10	10
Stems, swivel, butt,												
M.L.E.R.S. I. § ...	5	—	5	—	—	—	5	—	5	—	—	—
Stocks, butt, M.L.E.R.S. I.,												
long	2	—	2	—	—	—	2	—	2	—	—	—
" butt, M.L.E.R.S. I.,												
normal	8	—	8	—	—	—	8	—	8	—	—	—
" butt, M.L.E.R.S. I.,												
short	2	—	2	—	—	—	2	—	2	—	—	—
" butt, M.L.E.R.S. I*.												
long	2¶	2	2¶	—	2	—	2¶	2	2¶	—	2	—
" butt, M.L.E.R.S. I*.												
normal	8¶	8	8¶	—	8	—	8¶	8	8¶	—	8	—
" butt, M.L.E.R.S. I*.												
short	2¶	2	2¶	—	2	—	2¶	2	2¶	—	2	—
" " M.L.E.R.S. con-												
verted II*. long	—	—	—	2	—	2	—	—	—	2	—	2

† See Note "†" on page 194.

‡ This pattern will be issued when the stock of the preceding pattern is used up.

§ Not required when fitted with "Bracket, swivel, butt."

¶ When fitted with Mark I* butt-plates.

¶ When fitted with Mark I* butts.

TABLE 3—continued. Materials for Repair of Rifles, short, M.L.E.

A.O.
222
1907

Description.	Annual proportion per 1,000 arms.†											
	Mounted units.					Dismounted units.						
	Rifles, short, M.L.E.					Rifles, short, M.L.E.						
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section.</i>												
Stocks, butt, M.L.E.R.S. converted II*.	—	—	—	8	—	8	—	—	—	8	—	8
„ „ M.L.E.R.S. converted II* normal	—	—	—	2	—	2	—	—	—	2	—	2
„ fore-end, M.L.E.R.S. I.	10	10	10	10	—	—	10	10	10	10	—	—
„ „ M.L.E.R.S. III.	—	—	—	—	10	10	—	—	—	—	10	10
Strikers, M.L.E.R.S. I. ...	30	30	30	30	30	30	30	30	30	30	30	30
Studs, clip, stop, magazine, M.L.E.R.S. I. ...	25	25	25	25	25	25	25	25	25	25	25	25
„ fore-end, M.L.E.R.S. I.	5	5	5	5	5	5	5	5	5	5	5	5
„ head, catch, slide, backsight, M.L.E.R.S. I.	5	5	5	5	—	—	5	5	5	5	—	—
Swivels, band, M.L.E.R.S. I.	20	20	20	20	20	20	20	20	20	20	20	20
„ „ piling, M.L.M.R. II.	—	—	—	—	—	—	25	25	25	25	25	25
Traps, butt plate, M.L.E.R.S. I*, No. 1 (with axis pin) ...	—	5	—	—	—	—	—	10	—	—	—	—
„ butt plate, M.L.E.R.S. I*, No. 2 ...	5\$	5	5\$	—	5	—	10\$	10	10\$	—	10	—
„ „ M.L.M.R. II.	—	—	—	2	—	2	—	—	—	2	—	2
Triggers, M.L.E.R.S. I. ...	3	3	3	3	3	3	3	3	3	3	3	3
Wads, bolt, stock, M.L.M. ...	30\$	30	30\$	30	30	30	30\$	30	30\$	30	30	30
Washers, bolt, stock ...	25	25	25	25	25	25	25	25	25	25	25	25
„ guard, hand, or rivet, fore-end, M.L.E.R.S. I. ...	20	10	10	10	10	10	20	10	10	10	10	10
„ guard, hand, or rivet, fore-end, M.L.M. ...	—	—	10	10	—	10	—	—	10	10	—	10
„ pin, axis, backsight, M.L.E.R.S. I.	10	10	10	10	10	10	10	10	10	10	10	10
„ screw, fixing, dial sight, M.L.M.R. ...	5	5	5	5	5†	5†	5	5	5	5	5†	5†
„ spring, band, inner, M.L.E.R.S. I.	5	5	5	5	5	5	5	5	5	5	5	5
Windgauges, backsight, M.L.E.R.S. I.	5	5	5	5	—	—	5	5	5	5	—	—
„ „ backsight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5
Worms, fine - adjustment, backsight, M.L.E.R.S. III.	—	—	—	—	5	5	—	—	—	—	5	5

† See Note “†” on page 194.

‡ Also washer for “Nut, screw, protector, sight, back.”

\$ When fitted with butt-plates having traps.

TABLE 4.—Materials for Repair of Bayonets for M.E. Rifles.

Description.	Annual proportion for 1,000 arms.*	
	Rifles, M.E., Mark I.	
<i>Weedon Section.</i>		
Bayonets,	{ rings, locking	1
Martini-Enfield	{ screws	3
	{ lockets, Martini-Enfield	1
	{ rivets ... { screwed	700
	{ { split	320
	{ { T headed... ..	120
Scabbards,	{ springs ... { long, Martini-Enfield, Mark II	15
bayonet	{ { short, Martini-Enfield	10
	{ tips, Martini-Enfield, long	10
	{ washers, brass	180
	{ M.E. leathers	5

* See note "†," page 194.

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TABLE 5.—Materials for Repair of Sword Bayonets and Scabbard Sword Bayonet.

(Annual proportion per 1,000 arms.) *b*

Description.	Sword bayonets, pattern.		
	1888.	1903.	1907.
Sword bayonets—			
Bolts, patt. 1883... ..	15	—	—
" " 1903... ..	—	15	15
Grips, patt. 1888, Mark I pairs	5	—	—
" " 1888, Mark III	20	20	—
" " 1907... ..	—	—	20
Nuts, bolt, patt. 1888, Mark I	20	—	—
" " 1887, Mark II	—	20	20
Rivets, grip patt. 1888—			
large, Marks I and II	10	—	—
small, Mark I	10a	—	—
Nuts, screw grip, patt. 1888, Mark III	20	20	20
Screws, grip, patt. 1888, Mark III	20	20	20
Springs, bolt, spiral, patt. 1887	—	20	20
" " 1888	20	—	—
Washers, rivet, grip, patt. 1888—			
large, Marks I and II	20	—	—
small Mark I	20a	—	—

NOTE.—The patterns of arms for which the components are required, should be stated in all demands.

a For sword bayonets of early manufacture that have 2 small rivets and 1 large.*b* See note "†" page 194.

TABLE 5—continued. Materials for Repair of Sword-bayonets, &c.

Description.	Scabbards, sword bayonet, pattern.		
	1888.	1903 and 1888 II.*	1907.
Scabbards, sword bayonet—			
Chapes, patt. 1888, Mark I	5	—	—
„ „ 1903, Mark I	—	5a	5
Laces, iron, short	50	25	50
„ „ long	—	25	—
Leathers, finished—			
patt. 1888, Mark I	10	—	—
„ 1903	—	10	—
„ 1907	—	—	10
Lockets, patt. 1888, Mark I	3	—	—
„ „ Mark II	—	3	—
„ „ 1907	—	—	3
Tags, patt. 1903	—	25	—

a For pattern 1888 Mark II* 10 chapes will be allowed.

TABLE 6.—Materials for Repair of Webley Pistols.

Description.	Percentage allowed on the No. of pistols on charge. (Pistol, Webley.)					Remarks.
	Mark I.	Mark I*.	Mark II.	Mark III.	Mark IV.	
<i>Weedon Section.</i>						
Cams, cylinder	—	—	—	5	5	Except for an establishment of three pistols or less, the proportion (less any numbers in possession) may be drawn annually.
Catches { barrel	5	5	5	5	5	
{ hammer	5	5	5	5	5	
Cups, countersink, for screw stock	5	5	5	5	5	
Hammers, Mark IV	5	5	5	5	5	
Levers { extractor, assembled	10c	10c	10d	10e	10e	For an establishment of three pistols or less, it will only be drawn triennially. Fractional results may be reckoned as whole numbers.
{ auxiliary, Mark II	—	5	5	5	5	
{ cam, cylinder	—	—	—	5	5	
Nuts { screw, stock	5	5	5	5	5	
{ extractor	—	—	—	5	5	
Pawls {	10a	10b	10b	10b	10b	
{ joint, axis { Mark III	10	10	10	—	—	
{ extractor lever	10	10	10	10	10	
{ swivel, butt	10	10	10	10	10	
{ stock	10	10	10	10	10	
{ axis, cylinder	5	5	5	—	—	
{ cam	—	—	—	10	10	
Screws { catch "barrel	10	10	10	10	10	
{ hammer	5	5	5	5	5	
{ fixing, lever, cam, cylinder	—	—	—	10	10	

a Mark I or II.

b Mark II. (Pawls of latest manufacture have the lifting points hardened, and the teeth of extractors of the latest pattern are also hardened. It is preferable that a hardened pawl should be used in conjunction with a hardened ratchet, and an unhardened pawl with an unhardened ratchet.)

c Mark I, II, or III.

d Mark II or III.

e Mark III.

TABLE 6—continued. Materials for Repair of Webley Pistols.

Description.		Percentage allowed on the No. of pistols on charge. (Pistol, Webley.)					Remarks.	
		Mark I.	Mark I*.	Mark II.	Mark III.	Mark IV.		
Weedon Section.								
Screws	guard, trigger	...	5	5	5	5	5	
	hammer or trigger	...	5	5	5	5	5	
	lever, cam, cylinder	...	—	—	—	5	5	
	pin, joint, axis	...	10	10	10	10	10	
	spindle	...	5	5	5	—	—	
	spring, stop, trigger	...	5	5	5	5	5	
	stock	...	5	5	5	5	5	
	shield	...	—	10	10	10	10	
Shields	swivel, hammer	...	5	5	5	5	5	
	...	...	—	5 ^a	5	5 ^b	5 ^b	
Springs, catch	barrel	...	10	10	10	10	10	
	hammer	{ Mark I II	10 —	10 —	— 5	— 5	— 5	
Springs	extractor, lever, Mark I	...	10	10	—	—	—	
	lever, auxiliary, Mark II	...	—	—	5	5	5	
	main	...	15	15	15	15	15	
	auxiliary	...	5	5	5	5	5	
	spindle extractor	...	15	15	15	—	—	
	extractor	...	—	—	—	15	15	
Stops, trigger	stop, trigger	...	15	15	15	15	15	
	butt (with ring)	...	5	5	5	5	5	
Swivels	hammer	{ Mark II	...	5	5	—	—	
	...	...	—	—	—	5	5	
Triggers, Mark IV		...	5	5	5	5	5	

^a Mark II or III.^b Mark III.

TABLE 7.—Materials for Repair of Cavalry Swords and Scabbards.

Description.		No. per cent. allowed annually.	Remarks.
<i>Weedon Section.</i>			
Sword, grip, cavalry	pattern 1890 (also for pattern 1882 and 1885) ...	2	N.B.—Any remaining from previous supplies to be allowed for.
	pattern 1899 ...	2	
	... ..	5	
Scabbards, sword	linings { cavalry, pattern 1885 ...	5	And Household Cavalry, pattern 1892.
	tern 1885 { Mark I ...	5	
	tern 1885 { Mark II ...	5	
	pattern 1899 ...	5	
	loops, cavalry, pattern 1885, Marks I and II { back ...	5	
	front ...	5	And Household Cavalry pattern 1892.
	mouthpieces, cavalry, { Mark I ...	2	
	pattern 1885, { Mark II ...	2	
	screws, mouthpiece, cavalry, pattern 1885, Marks I and II ...	10	
	tips, shoe, cavalry, pattern 1885, Marks I and II ...	10	
Wire, armourers, iron, lbs.	No. 9 W.G. soft (for rivets, grip) ...	1	
	No. 12 W.G. soft (for rivets, loop) ...	1	
		1	
Washers, rivet, sword, cavalry, pattern 1899		12	

TABLE 8.—Materials for Repair of Lances.

Description.	No. per cent.	Remarks.
<i>Weedon Section.</i>		
Dees (brass, $\frac{1}{4}$ -inch)	5	N.B.—Any remaining from previous supplies to be allowed for.
Laces for flags	15	
Protectors, leather, for stave of lance	30	
Slings	10	
Thongs	20	
Wire, copper, No. 18 W.G. (for fastening dees), lbs.	1	

TABLE 9.—Materials for Repair of Bolts, Breech, for .22-inch Aiming Tube Cartridges and Tubes Aiming .22 and .23-inch.

Description.		Annual supply per		Remarks.
		10 or less.	10 to 20.	
<i>Weedon Section.</i>				
<i>Components.</i>				
Bolts breech, for .22-inch aiming tube cartridges —				
	M.L.M.R. I* R.F. ...	1	1	
	„ II ...	1	1	
Extractors {	M.L.E.R.S. I. R.F. ...	1	1	and II*, also M.L.E.R. I and I* R.F. breech bolts.
				Suitable for all R.F. breech bolts, except M.L.M.R. I*.
Heads , breech bolt M.L.M.R. I* R.F. ..	1	2		For all R.F. breech bolts, and 'II'; also all M.L.E.
Strikers {	M.L.M.R. I* R.F. ...	1	1	R.S., R.F. breech bolts, and M.L.E.R. I and I* R.F. breech bolts.
	M.L.M.R. II* R.F. ...	1	1	
	breech-pieces, M.M. (a) ...	1	1	
	set nuts, M.L.M. (b) ...	...	1	
	Washers, { gunmetal (b) ...	...	1	
	M.L.M. { leather (a) (b) ...	2	5	
	packing ...	...	...	2 per tube.
Tubes , aiming {				
<i>Appurtenances.</i>				
	brushes, cleaning ...	1†	1†	† per tube.
	rods, cleaning ...	1	1	For all .22 and .23-inch aiming tubes.

(a) For M.M. tubes.

(b) For M.L.M. .22 and .23-inch and M.L.E. short rifle tubes.

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A biennial supply for rifles, carbines, and pistols, in accordance with paragraph 383.

Description.	Quantity.			Remarks.	
	800 arms.	600 arms.	500 arms.		
<i>Weedon Section.</i>					
TOOLS, &c.					
Brushes, hard, armourers ..	3	2	2	3 } For every 1500 or 1 } less, stand of arms.	
Stalls, indiarubber, { finger..	..	..	..		
thumb	..	..	..		
MATERIALS.					
Dust { bone lbs.	5	4	3½	For soldering.	
oilstone ozs.	4	3	2		
Wire, armourers :—					
iron, No. 20, W.G., soft, „	8	6	5		
steel, No. 16, W.G., hard, „	4	3	2		
<i>Section No. 3.</i>					
Spelter, copper.. .. „	8	6	5		
Tin, grain lbs.	1	1	¼		
<i>Section No. 7.</i>					
Brushes, hair, flat, ½-in. ..	1	1	1		
†Card, scratch yards	3	2	1½		
<i>Section No. 9A.</i>					
Borax, refined ozs.	8	6	5	3 per 100 stand of arms browned by armourer. ½ for every 100 stand of arms, for cleaning bore of barrels.	
†Cloth, { No. O quires	½	½	¼		
emery { „ F „	4	3	2½		
„ 2 „	2	1½	1¼		
„ 2 „	2	1½	1¼		
Glue, best town made .. lbs.	4	3	2½		
Methylated spirits .. pints	½	½	½		
Oil, { petroleum, Russian,					
lubricating .. pints	..	..	..		
paraffin .. „	..	..	..		
Paper, { No. 1½ quires	2	1½	1¼		
glass { „ 2 .. „	½	½	¼		
„ 3 .. „	2	1½	1¼		
Potash, ferro-cyanide, com- mercial (yellow prussiate of potash) ozs.	24	18	15		
†Powder, emery, flour.. „	24	18	15		

TABLE 10—continued. Materials for Repairing and Browning Arms

Description.	Quantity.				Remarks.
	800 arms.	600 arms.	500 arms.		
Section No. 9A.					
Resin, black ozs.	8	6	5		
Sal-ammoniac, in lumps ..	2	1 $\frac{3}{4}$	1 $\frac{7}{10}$		
|| Soda, crystals lbs.	144	108	90		For cleaning barrels.
Shellac, liver ozs.	..	..	..		3 per 1,000 arms on charge, for the temporary blacking of sights and parts of arms.
Section No. 13.					
† Flannel, white .. yards	..	..	..		1 for every 2,000 stand of arms.
Old Stores.					
Sheeting, old lbs.	24	20	16 $\frac{1}{2}$		
Not in Vocabulary.					
§ Mixture, browning	..	..	..		
Coal	..	..	..		The coal required may be drawn under the Allowance Regulations.
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† Where sword-bayonets, pattern 1888, Mark III, are in possession, the following additional quantities are allowed :—

Description.	Quantity.			
	800 arms.	600 arms.	500 arms.	
<i>Section No. 7.</i>				
Card, scratch yards	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$	
<i>Section No. 9.</i>				
Cloth, emery { fine .. quires	1	$\frac{2}{3}$	$\frac{2}{3}$	
{ middling ..	$\frac{1}{2}$	$\frac{1}{3}$	$\frac{1}{3}$	
Powder, emery, flour .. ozs.	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	
<i>Section No. 13c.</i>				
Flannel, white yards	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	

|| $\frac{1}{4}$ lbs. to each gallon of water. The quantities shown are the maximum allowance, but no more should be used than is actually required to remove the grease.

§ Browning mixture is supplied in the proportions described in Instructions for the care, repair, and browning, &c., of arms and bayonet scabbards, in the Instructions for Armourers.

TABLE 11.—Annual Supply of Oil, &c., in time of peace for the cleaning, oiling and preservation of arms in accordance with paragraph 383.

(No oil, &c., except that supplied by the Army Ordnance Department, will be applied to the arms under any circumstances).

Station.	Oil, petroleum, Russian, lubricating, pints per			† Composition, preserving arms (95 per cent. mineral jelly and 5 per cent. beeswax). Lbs. per 500 arms.	† Beeswax. Lbs. per 500 arms.	Remarks.
	*100 arms (including pistols).	For lubricating actions.	for removing rust from barrels.			
77						
15	Home	72	9	1	} 10† } 48§ } 32¶ }	†To be applied annually. §A portion to be applied quarterly for nine months and then once a month for the remaining three months. ¶ This will also be allowed for arms of regimental districts in constant use. ¶ A portion to be applied quarterly.
4444	Gibraltar	75	9	1		
	Malta					
	Egypt					
	South Africa	84	9	1		
	Ceylon					
	Straits Settlements					
	Mauritius	108	9	1		
	Hong Kong					
Bermuda						
Jamaica						
	West Coast of Africa					

* Includes the quantities required for filling oil bottles.

† For application between fore-end and barrel. Composition and beeswax to be mixed before application.

TABLE 12.—MATERIALS FOR CLEANING ARMS.

Annual Supply—Peace only. (*Referred to in paragraph 383.*)

Oil (*See allowance given in Table 11.*)

Sheeting, old, 1½ oz. For each Webley pistol.

A.O. 97 1906	Flannelette, Mark III.	{ 8 yards* }	{ For each .303-inch rifle in possession of units of Cavalry, Horse and Field Artillery, and Infantry, and each carbine of West African Regiment (except dismounted officers and staff serjeants.)
		{ 4 „ *	{ For each .303-inch rifle and carbine in possession of other units, and each carbine of dismounted officers and staff serjeants of West African Regiment.
	Wire, brass, No. 26	{	{ 2 per 100 arms, for use with cleaning rods Nos. 2 and 3, and rod, cleaning cylinder, pistol, Webley.
	W.G., hard, 3-inch lengths, oz.		

* These allowances may be increased 50 per cent. at Straits Settlements, Mauritius, Ceylon, Hong Kong, Bermuda, Jamaica, and West Coast of Africa.

TABLE 12—continued. MATERIALS FOR CLEANING ARMS.

Jute, dressed hanks { 1 per 200 arms, for use with cleaning rod,
No. 1.

In addition to the above, 10 lbs. of old sheeting will be allowed for the use of the armourer.

In the case of Royal Artillery, when arms are examined by the armourer, he should be provided with $\frac{1}{16}$ th of a pint of rifle oil, or 2 oz. of mineral jelly, for every 16 stand (or less) of arms, out of the annual allowance of oil, or mineral jelly.

War Supply.

NOTE.—This scale is inserted as a guide when making demands. On active service the stores will be issued as local circumstances require.

Oil, petroleum, Russian, lubricating	{ 25 pints per regiment of cavalry or battalion of mounted infantry; 48 pints per battalion of infantry, and 5 pints per 100 stand of arms for other units	Allowance for 2 pistols to be as for 1 rifle or carbine.	77 15 444
Flannelette, Mark III, 35 yards per 100 rifles or carbines.			

Sheeting, old, 3 lbs. per regiment of cavalry or battalion of infantry.

Wire, brass, No. 26, { 2 per 100 arms, for use with cleaning rods,
W.G., hard, 3-inch { Nos. 2 and 3, and rod, cleaning cylinder,
lengths, oz. { pistol, Webley.

Jute, dressed .. hanks { 1 per 200 arms for use with cleaning rod,
No. 1.

Scale for arms of patients admitted to field hospitals on manœuvres:—

Flannelette, Mark III	..	75 yards	} per field hospital.	77
Pull-throughs	..	2		15
Oil, petroleum, Russian, lubri- cating	..	9 pints		444

Pullthroughs, double.

Annual supply —

Peace and war.

Pullthroughs, double		10	} per 1,000 arms. To be supplied to and used by armourers only.
„ „ cords (spare)	.. ..	10	
„ gauze wire	.. ..	20	

TABLE 13.—MATERIALS FOR REPAIR OF SCABBARDS, SWORD-BAYONET, PATTERN 1903.

Biennial supply—Peace only.

	800	600	500
<i>Section No. 7.</i>			
Brushes, hair, flat $\frac{1}{4}$ -in.	1	1	1
<i>Section No. 9A.</i>			
Methylated spirits ozs.	10	8	8
<i>Section No. 26.</i>			
Shellac, liver ozs.	2	1 $\frac{1}{2}$	1 $\frac{1}{2}$

TABLE 14.—MATERIALS FOR TESTING ACTIONS OF ARMS.

Peace and war.

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1907

Cartridges, S.A. dummy, }
drill, .303-inch rifles or } 20 per regiment of cavalry, battalion of
carbines. } infantry, or mounted infantry.

May be replaced at public expense, when condemned as unserviceable, through fair wear and tear, in testing service arms.

APPENDIX IX.

(Referred to in Paragraph 315.)

TABLE I.

MATERIALS FOR THE CARE AND PRESERVATION OF BICYCLES.

Scale for 1 Bicycle.

Section No. 9a.			
Dubbing	..	..	$\frac{1}{2}$ lb.
Oil {	mineral, burning ..	..	1 quart*
	petroleum, Russian, lubricating ..	..	1 $\frac{1}{2}$ pints
Tallow, Russian ..	..	..	1 lb.
OLD STORES.			
Linen, or cotton, old ..	..	..	1 $\frac{1}{2}$ lbs.
ROYAL ARMY CLOTHING DEPARTMENT SUPPLIES.			
Brushes, shoe {	blackening ..	..	1
	polishing ..	..	1
MISCELLANEOUS.			
Brush for cleaning spokes, &c... ..	1	..	..

Annual issue.

Biennial issue.

Annual issue.

* A.S.C. supply.

TABLE II.

MATERIAL FOR REPAIR AND BROWNING OF BICYCLES.

Annual supply—Peace only. (Referred to in paragraph 379.)

				Allowed for		
				1 bicycle.	2 bicycles.	3 bicycles.
Section No. 7.						
Card, scratch	..	..	yards	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{3}{8}$
Section No. 9a.						
Cloth, emery, No. 2	..	..	quires	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
Dubbing	..	..	lbs.	$\frac{1}{2}$	1	1 $\frac{1}{2}$
Oil, petroleum, Russian, lubricating	..	..	pints	$\frac{3}{4}$	1 $\frac{1}{2}$	2 $\frac{1}{4}$

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15

4444

Material for Repair and Browning of Bicycles—*continued.*

						Allowed for		
						1 bicycle.	2 bicycles.	3 bicycles.
Section No. 9A.								
*Soda, crystals lbs.						18	18	18
Tallow, Russian, or home-melted								
English „						1	2	3
Section No. 13C.								
Flannel, white yards						$\frac{1}{2}$	$\frac{1}{4}$	$\frac{3}{8}$
OLD STORES.								
57	Lead, old (for vice clams) lbs.					3	3	3
3	Linen, or cotton, old „					1 $\frac{1}{2}$	3	4 $\frac{1}{2}$
2462								
ROYAL ARMY CLOTHING DEPARTMENT SUPPLIES.								
Brushes, shoe { blacking						1	1	1
{ polishing						1	1	1
MISCELLANEOUS.								
Brushes for cleaning spokes, &c. ..						1	1	1
Mixture, browning gills						$\frac{1}{2}$	1	1 $\frac{1}{2}$
†Oil, mineral, burning quarts						1	2	3

* 12 gallons of water are required to cover a handle-bar in the service browning trough, and the soda allowance of 18 lbs., i.e., 1 $\frac{1}{2}$ lbs. of soda to each gallon of water will be sufficient for any number of bicycles up to 100.

† To be drawn from Army Service Corps.

NOTE.—Components and accessories for repair will be drawn from Army Ordnance Department as required on commanding officer's certificate.

APPENDIX X.

MATERIALS FOR REPAIR OF HARNESS AND SADDLERY.

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

$$20 \text{ sets} = 40 \div 2 \quad \text{not} \quad 4 \times 5.$$

$$49 \text{ „} = 40 + 8 \quad \text{„} \quad 10 \times 5.$$

A variation of two sets may be disregarded.

2. Infantry battalions having three or four sets of harness will draw for five sets, which will include their universal saddlery.

3. Hides and backs should be cut lengthwise from neck to butt, when it is necessary to divide them into proportions.

TABLE 1. Materials for Repair of Harness and Saddlery (Peace only).

Description.	12 Months' Supply.										Remarks.
	Officers, 5 Sets.	Harness.				Saddlery.					
		Single Sets.				Sets.					
		5	8	25	40	6	15	40	100		
<i>Section No. 3.</i>											
Spelter, copper...	—	1	1	3	5	1	2	5	12		
Wire, ordinary—	—	—	1	2	4	—	2	4	8		
Copper, No. 7. W.G. hard	—	0 2	0 3	0 8	1 0	—	—	—	—		
Iron, No. 1. " "	—	—	0 4	0 8	1 0	0 4	0 8	1 0	2 0		
" No. 4. " "	—	—	—	—	—	—	—	—	—		
<i>Section No. 5A.</i>											
Saddletrees { Flaps { drivers ... pairs	—	—	1	2	3	—	—	—	—		
{ luggage ... "	—	—	1	2	3	—	—	—	—		
{ drivers ... "	—	—	1	2	3	—	—	—	—		
{ Seats { luggage ... "	—	—	—	1	2	—	—	—	—		
{ Hooks (with rubber ring) ... "	—	—	—	1	2	—	—	—	—		
{ Rings (rubber) ... "	—	10	16	50	80	—	—	—	—		
Traces { Rope, short, pole draught,	—	—	—	1	2	—	—	—	—		
{ Hooks, Mark II ... "	—	—	—	—	—	—	—	—	—		

For use with the special
wheel trace hook.A.O. 77
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TABLE 1—continued. Materials for Repair of Harness and Saddlery (Peace only).

Description.	12 Months' Supply.										Remarks.
	Officers, 5 Sets.	Harness.				Saddlery.					
		Single Sets.				Sets.					
		5	8	25	40	6	15	40	100		
Section No. 6.											
Buckles, { sunbar, 1 in. ... nickel { 1½ in. ...	2 1	—	—	—	—	—	—	—	—	—	For N.P. girths. For N.P. stirrup leathers. Not for Mounted In- fantry. Mounted Infantry only.
Chains { curb { H & S... { 5 "H & S... { portmouth bit { reversible	—	1	3	5	1	2	5	12	12	15	
{ (steel, wheel trace	1	1	4	6	1	2	2	7	7	15	
Cord { cotton... yds. { whip ... lbs.	—	2	6	10	—	—	—	—	—	—	
Dees brass { 1-in. stout ... { 1" x ½"	—	½	2	3½	1	2	4	10	5	23	For Infantry rifle c- ket. For Cavalry rifle buc- ket.
Felt, brown, 43 in. wide	—	5	10	15	1	1	2	5	12	28	
Flock ...	2½	½	3	5	—	—	—	—	—	—	\$ For N.P. officer saddlery. c Hair pannels only 7 lbs. per 25 pairs.
Hair, horse, saddlery...	c	c	c	c	c	c	—	—	—	—	
Hides, brown { bridle { backs { collar { heavy { cloak ... { light ...	—	—	—	—	—	—	—	—	—	—	

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TABLE 1—continued. Materials for Repair of Harness and Saddlery (Peace only).

Description.	12 Months' Supply.										Remarks.	
	Harness.					Saddlery.						
	Single Sets.					Sets.						
	5	8	25	40		6	15	40	100			
Section No. 6.												
Straps, girth, V-attachment	—	4	12	18		3	7	18	46			
Studs, head collar attachment	—	1	3	5		1	—	7	16			
Thread { black, 3-cord	0 4	0 12	2 8	4 0		0 4	0 12	2 0	5 0			
Thread { flax, fine	1	e	e	e		e	e	e	e			
Thread { white, brown	1	2	3	13		2	5	13	32		e 1 oz. per 5 pairs hair panels in use. 8 yds. additional for each. 25 universal saddles in use.	
Web, bemp { 3-in. (straining)	—	1	8	13		2	5	13	32			
Web, bemp { 2 in. thick	—	1	8	13		2	5	13	32			
Web, bemp { 1½ in. thick	—	1	8	13		2	5	13	32			
Buckles, nickel { roller { double 1 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1½ in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { ¾ in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { ½ in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { ¼ in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/8 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/16 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/32 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/64 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/128 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/256 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/512 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1024 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2048 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4096 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/8192 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/16384 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/32768 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/65536 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/131072 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/262144 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/524288 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1048576 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2097152 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4194304 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/8388608 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/16777216 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/33554432 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/67108864 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/134217728 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/268435456 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/536870912 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1073741824 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2147483648 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4294967296 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/8589934592 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/17179869184 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/34359738368 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/68719476736 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/137438953472 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/274877906944 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/549755813888 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1099511627776 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2199023255552 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4398046511104 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/8796093022208 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/17592186044416 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/35184372088832 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/70368744177664 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/140737488355328 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/281474976710656 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/562949953421312 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1125899906842624 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2251799813685248 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4503599627370496 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/9007199254740992 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/18014398509481984 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/36028797018963968 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/72057594037927936 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/144115188075855872 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/288230376151711744 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/576460752303423488 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1152921504606846976 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2305843009213693952 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4611686018427387904 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/9223372036854775808 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/18446744073709551616 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/36893488147419103232 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/73786976294838206464 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/147573952589676412928 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/295147905179352825856 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/590295810358705651712 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1180591620717411303424 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2361183241434822606848 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4722366482869645213696 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/9444732965739290427392 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/18889465931478580854784 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/37778931862957161709568 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/75557863725914323419136 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/151115727451828646838272 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/302231454903657293676544 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/604462909807314587353088 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1208925819614629174706176 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2417851639229258349412352 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4835703278458516698824704 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/9671406556917033397649408 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/19342813113834066795298816 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/38685626227668133590597632 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/77371252455336267181195264 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/154742504910672534362390528 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/309485009821345068724781056 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/618970019642690137449562112 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1237940039285380274899124224 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2475880078570760549798248448 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/4951760157141521099596496896 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/9903520314283042199192993792 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/19807040628566084398385987584 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/39614081257132168796771975168 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/79228162514264337593543950336 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/158456325028528675187087900672 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/316912650057057350374175801344 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/633825300114114700748351602688 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/1267650600228229401496703205376 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/2535301200456458802993406410752 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/5070602400912917605986812821504 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/10141204801825835211973625643008 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/20282409603651670423947251286016 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/40564819207303340847894502572032 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/81129638414606681695789005144064 in.	—	1	1	2		1	1	2	4			
Buckles, nickel { roller { single { 1/162259276829213363391578010288128 in.	—	1	1	2		1						

TABLE 2. Additional Articles allowed for the Repair

		Description.			
		<i>Section No. 6.</i>			
		Buckles, brass roller, double,†	{ 1-inch	..	..
			{ ¾ "	..	..
		Dees, brass, { 1¼-inch	..	..	..
			{ ¾ "	..	..
		Flock *	..	..	lbs.
		Loops, with eyes, baggage strap..	..	..	..
		Serge, saddlers *	..	..	yards
		Thread, flax, yellow	..	..	lbs. ozs.
		Nails, brass, 1½-inch ‡	..	..	..
		Tacks, copper, ¼-inch	..	..	ozs.
		<i>Section No. 9A.</i>			
		Wax, bees ..	..	..	ozs.

* Not allowed for modified saddles having

† Not required when collars, head, with

‡ For use also as 1¼-inch by cutting off

of Yeomanry Saddlery (Peace only).

12 Months' Supply.		
Yeomanry Saddlery, sets.		
15	40	100
1	2	4
2	5	12
2	5	12
1	4	8
2	4	8
1	4	10
2	5	12
0 4	0 12	1 4
5	10	20
1	2	4
1	3	8

felt pannels, nor universal saddles.
 reversible bit are used.
 $\frac{3}{8}$ -inch.

TABLE 3.

Material for Repair of Harness, Breast, Pole Draught, R.A.

Description.	Peace--12 months' supply.				War.		Remarks.
	Harness.				Harness.		
	Single Sets.				50 double sets.		
	5	8	25	40			
Attachments, { neckpiece releasable, { wire trace, long	..	..	1	5	..	..	Breast collar. Centre of breast collar. Tug breast collar.
Hooks, wire trace, short	..	..	3	2	..	2	
Links, curved, 2-inch ..	..	..	1	1	..	1	
Links, double, { 1½-inch, with ring { 2½ inch x ¾-inch	..	..	1	1	..	..	Breast collar. Centre of breast collar. Tug breast collar.
Rings, { 2½-inch, with cranked link ..	..	..	1	2	..	1	
Swivels, { 1½ " chain ..	..	..	1	2	..	..	
Pipes, wire { long, strips, 52 inch trace, { short, strips, 30 inch	..	..	2	3	..	2	Breast collar. Tug breast collar.
Rivets, copper, tinned { ¾-inch, No. 6 W.G... (with washers)	1	2	6	10	..	4	
Rope, galvanized, steel wire, 1-inch .. fms.	1	2	4	6	..	4	
Buckles, brass, { 1½-inch bent heel, { 1½ "	..	..	3	6	..	4	Wire traces.
Squares, iron, 1½-inch..	5	8	25	40	..	10	
	..	1	7½	11½	..	..	
	..	1	2	4	..	..	Trace bearers.
	..	1	2	4	..	..	
	..	1	2	4	..	..	

R.A. breast harness only.

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TABLE 4—continued. Articles for Repair of Saddlery, &c. (War only).

Description.	Cavalry Regiment.	Mounted Infantry Battalion.	Field Artillery Brigade Ammunition Column (Guns and Howitzer) and Section of a Divisional Ammunition Column.	Heavy Artillery Brigade Ammunition Column.	Mounted Brigade Ammunition Column.	Field Artillery Brigade Ammunition Column and Section of a Horse Artillery Battalion.	Field Troop, R.E.	Field Company, H.E.	Infantry Battalion.	Field Ambulance (per Section).	Other Units.		Remarks.
											Harness.	Saddlery.	
											50 Double Sets.	100 Sets.	
<i>Section No. 6.</i>													
Buckles, iron roller—	...	...	...	...	...	...	...	...	...	...	3	—	For shaft draught, 1½ in.
Single, 2 in., bow leg	...	...	...	...	...	...	...	...	...	...	6	—	back bands and tugs.
" 1½ in. "	...	...	...	...	...	...	...	...	...	...	6	6	For girths.
" 1½ in. bow leg	...	...	...	...	...	...	...	...	...	...	6	6	
" 1 in. barred	...	...	...	...	...	...	...	...	...	...	—	—	
" ¾ in. "	...	...	...	...	...	...	...	...	...	...	—	—	
Buckles, iron, tinned, roller,	...	...	...	...	...	...	...	...	...	...	—	—	
double, 1½ in. "	...	...	...	...	...	...	...	...	...	...	—	—	
Buckles, nickel, roller—	...	...	...	...	...	...	...	...	...	...	—	—	
Double, 1 in. "	...	...	...	...	...	...	...	...	...	...	4	—	
Single, 1½ in. "	...	...	...	...	...	...	...	...	...	...	4	—	
" ¾ in. "	...	...	...	...	...	...	...	...	...	...	6	—	
Buckles, nickel, single—	...	...	...	...	...	...	...	...	...	...	—	—	
1½ in. "	...	...	...	...	...	...	...	...	...	...	4	—	
1 in. "	...	...	...	...	...	...	...	...	...	...	4	—	
1 in. "	...	...	...	...	...	...	...	...	...	...	4	—	
Chains, bridoon, 6 links	...	...	...	...	...	...	...	...	...	...	4	—	
curb, portmouth bit—	...	...	...	...	...	...	...	...	...	...	4	—	
" and 8	...	...	...	...	...	...	...	...	...	...	3	3	A.S.C., N.P. harness only.
Reversible	...	...	...	...	...	...	...	...	...	...	—	—	
Chains, steel, wheel, trace	...	...	...	...	...	...	...	...	...	...	—	—	
Cord, cotton ... yds.	...	...	...	...	...	...	...	...	...	...	4	4	R.A. only.
" whp ... lbs.	...	...	...	...	...	...	...	...	...	...	2	2	
	...	...	...	...	...	...	...	...	...	...	6	6	
	...	...	...	...	...	...	...	...	...	...	1½	1½	

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TABLE 4—continued. Articles for Repair of Saddlery, &c. (War only).

Description.	Cavalry Regiment.	Mounted Infantry Battalion.	Field Artillery Brigade Ammunition Column (Guns and Howitzer) and Section of a Divisional Ammunition Column.	Heavy Artillery Brigade Ammunition Column.	Mounted Brigade Ammunition Column and Section of a Horse Artillery Brigade Ammunition Column.	Field Troop, R.E.	Field Company, R.E.	Field Ambulance and Cavalry Field Section.	Other Units.		Remarks.
									Harness.	Saddlery.	
									50 Double Sets.	100 Sets.	
<i>Section No. 8a.</i>											
Twine, quilting ... lbs.	1	1	1	1	1	1	1	1	14s	—	\$ 1/2 oz. additional per pair hair pannels in use.
<i>Section No. 9a.</i>											
Ink, stamping, woollens pts.	—	—	—	—	—	—	—	—	1/2 6d	1/2 6d	Per 150 blankets.
Wax, black ... ozs.	—	—	—	—	—	—	—	—	—	—	
<i>Section No. 10a.</i>											
Tacks, steel, cut, No. 197 lbs.	1	1	—	—	—	—	—	—	1/2	1/2	
<i>Section No. 13c.</i>											
Canvas, sail, No. 3 ... ins.	—	—	—	—	—	—	—	—	60	60	Per 100 nosebags.

^a This allowance may be increased by one-fourth in the case of the A.S.C.

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TABLE 5. Materials for Preservation of Harness and Saddlery.

Description.	Peace (12 Months' Supply).					War.		Remarks.
	Harness (per Single Set).				Saddlery (per Set).	Harness (per Double Set).	Saddlery (per Set).	
	R.A., R.E., Regimental Transport, G.S. Mule, and Infantry M.G. Harness.	A.S. Corps.	Mule, breast (10-, 6-, and 4-span).					
			Home Abroad					
<i>Section No. 9A.</i>								
Dubbing lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$\frac{3}{4}$	$\frac{1}{8}$	$\frac{1}{16}$	* $\frac{1}{4}$ pint extra per set al- lowed to Military Po- lice.
Oil, rape pints	$2\frac{1}{4}$	$3\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	—	—	
Soap, { soft + .. lbs. { yellow .. bars	6	$6\frac{1}{2}$	6	6	$\frac{1}{2}$	—	—	
	$2\frac{1}{2}$	$3\frac{1}{4}$	2	1	$2\frac{1}{2}$	—	—	

+ Half a bar of yellow (hard) soap may be drawn in lieu of 1 lb. soft soap, but such an exchange not to exceed half the allowance. Soft soap must not be drawn in lieu of yellow (hard) soap, as the excessive use of the former is detrimental to the leather.

N.B.—The above quantities may be increased $\frac{1}{10}$ th for Colonial stations, if found necessary, by order of the General Officer Commanding, except for mule harness, which has a special allowance.

Material for Repair

						Peace—12					
						Saddle-					
Description.						Officers.	Drivers.				Item.
							5	5	13	25		40
Section No. 3.											
Wire, ordinary, iron, soft, No. 7											
W.G. (for rivets) lbs.						$\frac{1}{8}$	..	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$	1
Section No. 6.											
Saddletrees,	arches, iron, or steel,	{ front ..	..	..	1	1	2	2			
		{ hind ..	..	..	1	1	2	3			
	bars, side, shaped,	{ near ..	..	..	1	1	2	4			
		{ off ..	..	..	1	1	2	5			
	cantles	..	1	..	..	..	6				
	links	..	..	1	..	..	7				
	plates,	{ for dees, universal ..	..	..	..	..	8				
		{ „ links	..	..	..	..	9				
		{ gullet, steel	1	..	..	..	10				
		{ top, brass	1	..	..	..	11				
		{ with buckle and crupper									
		{ link	..	..	..	..	12				
		{ „ dees, luggage ..	..	..	..	..	13				
		{ „ squares, drivers ..	..	..	2	4	6	14			
		{ „ stirrup link and									
	{ brass roller	..	..	1	1	4	15				
	rivets,	{ copper, { long ..	..	4	..	..	..	16			
		{ short	..	9	..	..	..	17			
	screws, brass, fine ..	..	..	3	8	15	24	18			
	squares, iron	..	8	..	..	..	..	19			
staples,	{ cloak and wallets,	..	2	2	4	6	20				
	{ drivers	..	1	2	4	6	21				
	{ flank drivers and luggage	..	1	2	3	5	22				
	{ girth	..	1	..	..	..	23				
troughs, backband ..	..	..	..	..	..	..	24				
washers	..	2	..	..	..	..	25				
Section No. 7.											
Pencils, carpenters						..	..	1	1	1	27
Section No. 9.											
Oil, linseed, raw pints						..	..	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{4}$	28
Paper, glass, No. 2 sheets						..	..	1	1	2	29
Varnish, { Japan, black pints						..	..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	30

of Saddletrees.

Months' Supply.

trees.

Item.	Luggage.			Universal.			
	5	13	25	6	15	40	100
1	..	$\frac{1}{4}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1
2	..	1	1	..	1	2	3
3	..	1	1	..	1	1	2
4	..	1	2	..	1	3	6
5	..	1	2	..	1	3	6
6	..	..	..	..	..	..	..
7	..	..	..	1	2	4	10
8	..	..	..	..	2	6	12
9	..	..	..	..	2	6	12
10	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..
12	..	..	..	..	1	1	1
13	1	3	5	..	..	..	..
14	..	..	..	..	..	..	..
15	..	..	..	..	1	4	8
16	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..
18	3	8	15	3	9	24	60
19	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..
21	1	2	4	..	..	..	..
22	1	2	3	..	..	..	..
23	..	1	1	..	..	..	..
24	..	..	..	..	..	..	..
25	..	1	1	..	..	..	..
26	..	..	..	..	..	..	..
27	..	..	1	..	1	1	1
28	..	..	..	..	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$
29	..	..	1	..	1	2	4
30	..	$\frac{1}{8}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1
31	..	$\frac{1}{8}$	$\frac{1}{4}$	..	$\frac{1}{4}$	$\frac{1}{2}$	1

Remarks.

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TABLE 7. Materials for Repair and Preservation of Packsaddlery.

A.O. 77 1907	Description.	Peace. — 12 Months' Supply.				War.	Remarks.
		Packsaddlery Sets.				Pack- saddlery Sets.	
		2	10	50	100		
<i>Section No. 3.</i>							An establishment of 44 may draw, if neces- sary, the material set out in third column.
Wire, ordinary, copper, No. 19 W.G. .. lbs.		..	4	4	..	..	
<i>Section No. 5A.</i>		1	1	3	1	1	
Buckles, strap, 1-inch		..	..	..	..	..	
<i>Section No. 5B.</i>							Also for Mark III tree.
Packsaddlery, G.S.—							
Trees, adjustable—							
Arches, steel, { front	..	..	1	2	..	..	
Arches, steel, { hind	..	..	1	2	..	..	
Clip plates	..	..	2	4	..	2	
Bars, side, { near	..	..	1	2	..	1	
Bars, side, { off	..	..	1	2	..	1	
Trees, Mark IV, large—	..	..	..	..	..	..	
Arches, steel, { front	..	..	1	2	..	..	
Arches, steel, { hind	..	..	1	2	..	..	
Bars, { upper	..	..	1	2	..	1	
Bars, { lower	..	..	1	2	..	1	
Bars, side, { upper	..	..	1	2	..	1	
Bars, side, { lower	..	..	1	2	..	1	

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Trees, Mark IV, small— Arches, steel, { front { hind.. Bars, side, { near .. { off ..	..	1	2	..	..	} Also for Mark III tree.
	..	1	2	..	..	
	..	1	2	..	..	
	..	1	2	..	..	
Buckles, iron,	black japanned, roller, single, { 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	} R.A. packsaddlery.
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
	single, { 3-inch { 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	R.A. packsaddlery.
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
	tinned roller, { single, { 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	R.A. packsaddlery.
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
		1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 3 3 1 2 2 1 1	..	..	
Chains, iron, tinned, with dees.. Cloth, collar, white .. Felt, brown, 43 inches wide .. Hair, horse, saddlery ..	..	1	12	..	..	R.A. packsaddlery.
	..	1	12	..	..	
	..	1	12	..	..	
	..	1	12	..	..	
Hides, brown { backs, collar { cloak .. { shoulders	..	1	12	..	..	R.A. packsaddlery.
	..	1	12	..	..	
	..	1	12	..	..	
	..	1	12	..	..	

Section No. 6.

Section No. 8A.

Twine, quilting lbs.

1

 $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

Section No. 9A.

Glue, B.T.M. lbs.
 Ink, marking pints
 Wax, { bees ozs.
 { black "

2

 $\frac{1}{4}$

8

8

..

..

2

8

Section No. 10A.

Rivets, steel, countersunk head, $\frac{1}{4}$ " $\times$ $1\frac{1}{4}$ " ..

20

8

3

..

G.S. packsaddles.

Section No. 13C.

8 Canvas, sail, No. 3 inches
 Equip. Bowlas, 27-inch, tan yards

12 $\frac{1}{2}$

12

2 $\frac{1}{2}$ 2 $\frac{1}{2}$

..

1

..

1

For nosebags.
G.S. packsaddles.

Old Stores.

57 Linen, { or cotton, old, for cleaning .. lbs.
 { old, for nosebags and corn sacks .. "

12 $\frac{1}{2}$ 2 $\frac{1}{2}$ 2 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{4}$

..

..

..

TABLE 8. Materials for Preservation of Packsaddlery.

A.O. 77 1907	Description.	Peace. — 12 Months' supply.	War.
		Per set.	Per set.
	<i>Section No. 9A.</i>		
	Dubbing lbs.	$\frac{3}{4}$	$\frac{1}{6}$
	Oil , rape pints	$\frac{1}{2}$	..
A.O. 77 1907	Soap , { soft * lbs.	$\frac{1}{2}$	..
	{ yellow bars	$2\frac{1}{2}$	..

* See note † on page 231.

TABLE 9.

Material for Repair and Preservation of Equitation Articles.

Description.	Peace only. 12 months' supply.		57 Gen. No. 5534	
<i>Section No. 5.</i>				
Sponges , 7 drachms	1	} per 50 horses or under.		
<i>Section No. 6.</i>				
Cord , whip ozs.	3			
<i>Section No. 9.</i>				
Oil , rape pints	1			
Soap , soft* lbs.	3			
<i>Not in Vocabulary.</i>				
Linen or cotton, old .. lbs.	$\frac{1}{2}$		57 3 2462	

* See note "†" on page 231.

N.B.—No other materials than those given in this table are considered necessary, the materials supplied for repairing the harness and saddlery generally being sufficient for casual repairs to the equitation articles.

To preserve the full strength, and to prevent hardness of the leather parts in the respective articles, great care should be taken to soap each before putting them away after use, as storing the straps and reins without such care after being wetted by sweat or rain, rapidly deteriorates them.

APPENDIX XI.

DETAILS OF SETS OF HARNESS, SADDLERY AND PACKSADDLERY.

TABLE 1.—SADDLERY—Officers.

(See paragraphs 235 and 236.)

Sets.

Description.	R.A., R.E., A.S.C., and Mounted Infantry.		Remarks.
	Peace.	War.	
<i>Section No. 2A.</i>			
Ropes , head, cotton, with leather billet	1	—	Personal equipment only. For camp and war the G.S. pattern will be used. See paragraph 2 of Instructions at end of table.
<i>Section No. 6.</i>			
SADDLERY, OFFICERS.			
Bits { bridoon, with reins ..	1	1	When reversible bit is issued.
port- { reversible ..	1	1	
mouth, { reversible, heads, bridle ..	1	1	
Cases , horse- { near	1	1	Only issued with "Bits, portmouth, with bridle- head."
shoe { off	1	1	
Chains , curb.. ..	1	1	
Collars , head	1	1	5 per cent. may be issued.
Cruppers	—	—	
Girths , web	2	2	
Leathers , stirrup	2	2	

TABLE 1—continued. SADDLERY—Officers.

Description.	R.A., R.E., A.S.C., and Mounted Infantry.		Remarks.
	Peace.	War.	
<i>Section No. 6.</i>			
Reins , portmouth bit ..	1	1	Steel arch, universal, O size, to be issued when animals are under 15 hands. "R.A." pattern for R.A. and R.E.; "transport" pattern for A.S.C.
Saddles	1	1	
Skins , lamb	1	—	
Straps , cloak, { and wallet..	2	2	
centre ..	1	1	
Surcingles , leather.. ..	1	1	
Wallets pairs	1	1	
ARTICLES OF G.S. HARNESS, AND UNIVERSAL SADDLERY.			
<i>Section No. 5A.</i>			
Bits , portmouth, reversible, M size	1	1	Except S. (small) or L. (large) are specially de- manded. Not supplied until store of "Bits, port- mouth," is exhausted.
<i>Section No. 6.</i>			
Blankets , saddle	1	1	See paragraph 1 of instruc- tions below.
Irons , stirrup, G.S.	2	2	
Numnahs	1	1	
Pannels , numnah .. pairs	1	1	
Protector , cape or cloak ..	1	—	Except R.A. and R.E.
Runners , stirrup - leather, 1 $\frac{7}{8}$ -inches	2	2	
Straps , { baggage	3	3	
sword, picket peg	1	1	

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Instructions.

1. The ends of side bars of officers saddles should be slightly reduced in length if necessary to fit the numnah pannels.

2. Head-ropes are not included in sets of saddlery for war, but under camp equipment.

TABLE 2. SADDLERY—Officers New Pattern.*(See paragraphs 235 and 236).***Sets.**

For all officers who are entitled to the use of chargers under paragraphs 606 or 607, Allowance Regulations, 1907, but the present stock of officers saddlery (Table 1) will be issued to R.A., R.E., A.S.C., and Mounted Infantry, for whom they were provided, until exhausted.

Description.	Peace.	War.	Remarks.
<i>Section No. 2A.</i>			
Ropes , head, cotton, with leather billet	1	..	G.S. pattern for camp and war, which are included in camp equipment.
<i>Section No. 6.</i>			
SADDLERY— OFFICERS.			
Bits , { bridoon with reins..	1	1	
{ portmouth, reversible, heads, bridle	1	1	L. or S.
* Cases , { near Mark III	1	1	
{ horseshoe off Mark II ..	1	1	
* Collars , head, Mark II ..	1	1	L. or S.
* Girths , web, Mark III pairs	1	1	L. or S.
* Leathers , stirrup, Mark II	2	2	
Reins , portmouth bit ..	1	1	
* Runners , stirrup leather $1\frac{7}{8}$ inches	2	2	
* Saddles , Mark IV (with pannels)	1	1	L. or S.
{ lamb	1	..	For Dragoon Guards, Dragoons, Lancers, 14th Hussars, R.A., R.E., Rifles, and A.S.C.
Skins , { leopard	1	..	For Hussar Regiments, except 14th Hussars.
Straps , { and wallet, Mark II	2	2	
{ cloak, centre	1	1	
Surcingles , leather.. ..	1	1	L. or S.
* Wallets , Mark III pairs	1	1	

* New pattern introduced per List of Changes. § 11954 January, 1904.

TABLE 2—continued. SADDLERY—Officers New Pattern.

Description.	Peace.	War.	Remarks.
<i>Section No. 5A.</i>			
HARNESS, G.S.			
Bits, portmouth, reversible	1	1	M. or S.
<i>Section No. 6.</i>			
SADDLERY, UNIVERSAL.			
Numnahs, mark VI ..	1	1	
Protectors, cape or cloak ..	1	..	
Stirrups, nickel	2	2	
Straps, { baggage	3	3	
 { sword, picket peg	1	1	Except R.A. and R.E.

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Officers saddles, bridle heads, head collars, and surcingles of the above set are issued in two sizes: "large" size for horses and "small" size for cobs.

The girths are in long and short sizes.

The reversible bits are stored in three sizes: small, medium, and large; "medium" size for horses, and "small" size for cobs; the "large" size, having a 5½-inch mouthpiece, is principally for draught horses.

TABLE 3. SADDLERY.—Household Cavalry.

Sets.

Description.			Peace.	War.	Remarks.
SADDLERY, HOUSEHOLD CAVALRY.					
<i>Section No. 6.</i>					
Bits,	{ bridoon, with head and reins		1	1	Sizes as may be required. If "high port" bits are desired they may be drawn in proportions as considered necessary up to a total of 10 per cent.
	{ portmouth		1	1	
Breast-plates	.. ..		1	1	Not required with those sets having breast-pieces.
Chains, collar	.. ..		1	—	Head-rope instead for war. See Instructions at end of table.
Cheek-pieces	.. ..		2	2	Per portmouth bit.
Collars, head,	{ parade		1	—	
	{ stable		1	—	
Cruppers	.. ..		1	1	
Frogs, sword, saddle	.. ..		1	1	When required.
Girths,	{ cord		—	—	10 per cent.
	{ web		1	1	
Head-pieces..	.. ..		1	1	
Numnahs	.. ..		1	1	
Ornaments, stirrup-leather	.. ..		2	2	
Reins, portmouth bit	.. ..		1	1	
Skins,	{ lamb, white		1	—	2nd L.G.
	{ sheep, black.. ..		1	—	1st L.G. and R.H.G.
Straps, shoe-case	.. ..		1	1	
ARTICLES OF SADDLERY, UNIVERSAL.					
Blankets, saddle	.. ..		1	1	
Breast-pieces	.. ..		—	—	4 per squadron.
Buckets,	{ rifle		1	1	1 per set, except for W.O. and N.C.O. armed with pistols.
	{ lance		—	—	2 per exercise lance, for peace only.
Cases, horse-shoe, saddlery	.. ..		1	1	
Collars, head, Mark III	.. ..		—	1	
Irons, stirrup, G.S., Mark II	.. ..		2	2	Until stock is exhausted, then "stirrups, nickel."
Leathers, stirrup	.. ..		2	2	L. size.
Martingales..	.. ..		—	—	5 per cent. Peace only.
Pannels, numnah	.. pairs		1	1	

TABLE 3—continued. SADDLERY—Household Cavalry.

Description.	Peace.	War.	Remarks.
<i>Section No. 6.</i>			
Protectors , cape or cloak ..	1	—	
Saddles , steel-arch, Patt. '90	1	1	Until stock is exhausted, then pattern 1902 with its pannels. Sizes as may be ordered.
Straps , { baggage	2*	2*	
{ „ and lance	1*	1*	
{ cloak, { and wallet	2	—	
{ centre ..	1	—	
{ supporting, { front	—	—	8 per squadron.
{ rear	—	—	4 „
{ trace	—	—	8 „
Surcingles , leather	1	1	„
Traces , saddlery .. pairs	—	—	4 „
Tugs , trace	—	—	8 „
Wallets , steel-arch saddles			
pairs	1	—	

* Per N.C.O. and man.

Instructions.

Head-ropes are not included in sets of saddlery for war, but under camp equipment.

TABLE 4. SADDLERY—Universal.
For Cavalry, Royal Artillery, Royal Engineers, Mounted Infantry, and Army Service Corps.
(Infantry Regimental Transport—Set as for R.A.)

Sets.

Description.	Cavalry.		R.A., R.E., and A.S.C.		Mounted infantry.		Remarks.
	Peace.	War.	Peace.	War.	Peace.	War.	
<i>Section No. 2A.</i>							
Ropes, head, hemp, with ring..	1	—	1	—	1	—	In war this forms part of camp equipment.
<i>Section No. 5A.</i>							
Rits, portmouth, reversible, {	—	—	1	1	1	1	} "S" size mounted infantry. Other units to have "bit, portmouth, saddle, with bridle head and reins," until stock is exhausted. When specially demanded for mounted infantry in possession of the yeomanry saddle for use with cobs, in lieu of girths, pattern 1884.
heads, bridle	—	—	1	1	1	1	
Girths, luggage	—	—	—	—	—	—	

Section No. 6.

Bits, { bridoon, pattern 1884
 portmouth, cavalry,
 with bridle head
 and reins
 Blankets, saddle
 Breast-pieces.. ..

*5 per cent. allowed.

For cavalry 4 per squadron. †Except warrant officers, R.A., R.E., and A.S.C. on transport rolls and mounted sappers, R.E. In service and dépôt batteries of R.H.A. and R.F.A. and ammunition columns, 2 breastpieces and 2 pairs of traces, saddlery, only, per gun and ammunition wagon limber are allowed.

For 10 per cent. of saddles for cavalry, other units when required. When stock is exhausted, Mark II.

For lancers only. Other regiments 2 per exercise lance.

*For R.A. mounted gunners and A.S.C. as ordered.

For T.B., R.E., 1 per riding horse for peace; for war, 1 per riding horse, except those of N.C.O.'s armed with pistols, and trumpeters. For field troop, R.E., 1 per set of saddlery, except N.C.O.'s armed with pistols, and trumpeters.

* 1 1

* 1 1

— 1 1†

— 1 1†

1 1 —

1 1 —

Breast-plates, pattern 1884..

Buckets { lance
 rifle, cavalry, Mark I

TABLE 4—continued.

SADDLERY—Universal.

Description.	Cavalry.		R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	Peace.	War.	
Section No. 6.							
Buckets, { rifle, cavalry, Mark II rifle, Mark IV tool	1	1	—	—	—	—	Except for bandmasters, sergeant-master tailors, band, and ranks armed with pistols. Mark I in possession to be replaced by Mark II when available. And for infantry transport sergeants. †Except warrant officers and staff- serjeants. 1 per set of saddlery, field troop, R.E., only (except staff-serjeants and trumpeters).
	—	—	—	—	1†	1†	
	—	—	—	—	—	—	
	—	—	—	—	—	—	
Cases, horse- shoe, { saddlery, pat- tern 1884	—	—	2§	2§	1	1	§Not for R.A., but infantry transport serjeants will have 2 per set.
Collars, head, Mark III with sword frog	1	1	—	—	—	—	Sizes as may be ordered. Small size for M.I.
Cruppers, saddlery	1	1	—	—	—	—	For 5 per cent. of saddles.

TABLE 4—continued. SADDLERY—Universal.

Description.	Cavalry.		R.A., R.E., and A.S.C.		Mounted Infantry.		Remarks.
	Peace.	War.	Peace.	War.	Peace.	War.	
<i>Section No. 6.</i>							
Straps { supporting, { front { trace rear ..	—	—	—	—	—	—	2 for each breast-piece.
{ sword, picket peg ..	—	—	—	—	—	—	1 } For each pair of traces, saddlery.
Surcingle s, leather	—	—	—	—	—	—	2 }
Traces , saddlery .. pairs	1	1	a	a	a	a	a 1 per mounted man armed with cavalry sword, except R.A. and R.E.
Tugs , trace	1	1	1	1	1	1	1 pair per breast-piece. See remarks against breast-pieces.
	—	—	—	—	—	—	2 per pair of traces, saddlery.
SPECIAL FOR MOBIL- IZATION STORAGE.							
<i>Section No. 5A.</i>							
Girths , luggage, pieces, ex- tending	—	—	—	—	—	—	10 per cent. of saddles for all sizes of girths.
<i>Section No. 6.</i>							
Surcingle s, leather, straps, extending	—	—	—	—	—	—	10 per cent. of saddles.

TABLE 5.—HARNESSES—General Service.

For R.A. (Shaft-draught), R.E., A.S.C., and Cavalry and Infantry Regimental Transport, as may be ordered.

Sets.										
Description.	Peace.				War.				Remarks.	
	Per single set of harness.									
	*Lead.		Wheel.		*Lead.		Wheel.			
	Off.	Near.	Near.	Off.	Near.	Off.	Near.			
	Off.	Near.	Off.	Near.	Off.	Near.	Off.	Near.		
<i>Section No. 2A.</i>										
Ropes, head, hemp with ring ..	1	1	1	1	—	—	—	—	—	* These columns refer to R.A. (shaft-draught) only. See para. 7 of Instructions at end of table.
<i>Section No. 5A.</i>										
HARNESSES, G.S.										
Bands, back, 2½-inch ..	—	—	—	1	—	—	—	1	—	Except for A.S.C. and regimental transport when O.P. luggage saddles are in use.
Bits, { harness, with bridle-head.. port- { reversible { heads, .. mouth { bridle ..	1	1	1	1	1	1	1	1	1	{ Until existing store is exhausted, the harness pattern, then reversible; sizes as per table, para. 8, Appendix XII. See para. 1 of Instructions at end of table.
	—	—	—	—	—	—	—	—	—	
	—	—	—	—	—	—	—	—	—	

TABLE 5—continued. **HARNESS—General Service.**

Description.	Peace.				War.				Remarks.
	Per single set of harness.								
	*Lead.		Wheel.		*Lead.		Wheel.		
	Near.	Off.	Near.	Off.	Near.	Off.	Near.	Off.	
Section No. 5A.									
HARNESS, G.S.									
Breechings	—	—	1	—	—	—	1	—	* These columns refer to R.A. (shaft draught) only.
{ near, with long strap	—	—	—	1	—	—	—	1	For use when vehicle is fitted with pole.
{ off	—	—	1	1	—	—	—	1	Not for R.A. See para. 2 of Instructions
Cases, horse-shoe, harness ..	2	2	2	2	2	2	2	2	at end of table.
Chains, hame, Mark I ..	1	1	1	1	1	1	1	1	1 per neck collar.
{ breast	1	1	1	1	1	1	1	1	For 25% of single sets of harness for
Collars	1	1	1	1	1	1	1	1	peace and war, in lieu of a similar
{ neck	1	1	1	1	1	1	1	1	number of neck collars, R.A. excepted.
	1	1	1	1	1	1	1	1	See note "collars, breast." Sizes as may
	1	1	1	1	1	1	1	1	be ordered. See para. 3 of Instructions
	1	1	1	1	1	1	1	1	at end of table.
Cruppers, harness ..	1	1	1	1	1	1	1	1	See para. 4 of Instructions at end of table.
{ luggage	—	—	—	1†	—	—	—	1	† Not issued in peace for regimental
Girths,	—	—	—	—	—	—	—	—	transport or A.S.C., until store of web
{ web	—	—	1	1	—	—	—	—	girths is exhausted.
	—	—	—	—	—	—	—	—	Only for infantry and A.S.C., until store
	—	—	—	—	—	—	—	—	is exhausted, then leather.

Hames, Mark III, with rings, clip pairs	1	1	1	1	1	1	1	1	1	1	1 per neck collar. Sizes as may be ordered. See para. 5 of Instructions at end of table.
Leggings, drivers ..	1	1	1	1	1	1	1	1	1	1	See para. 5 of Instructions at end of table.
Numnahs, felt, luggage ..	—	—	—	—	1	—	—	—	1	1	1 per neck collar. L. or S. should be stated when demanding.
Pads, collar, Mark II ..	—	—	—	—	1	1	—	—	1	1	1 per neck collar. L. or S. should be stated when demanding.
drivers, pairs	1	1	1	1	1	1	—	—	—	—	Until existing store is exhausted, then blankets, saddle, for iron or steel-arch saddles. See para. 6 of Instructions at end of table.
I.A. or W.A. saddles	—	—	—	—	—	—	—	—	—	—	† Wood-arch O.P., will be issued, except for R.A., until store is exhausted, and must always be worn with O.P. saddles.
luggage, pairs	—	—	—	—	—	1†	—	—	—	1	Hair, or numnah pannels, must always be worn with luggage saddles.
numnah, drivers ..	—	—	—	—	—	—	—	—	—	—	R.A. only at the rate of 10 per cent. for peace and war, for use with blanket.
luggage..	—	—	—	—	—	—	—	—	—	1	In lieu of hair pannels when stock of latter is exhausted.
Pieces, buckling 1½-inch ..	1	1	1	1	1	1	1	1	1	1	1 per neck collar. R.A. and R.E. only.
Reins, bearing, Mark II ..	2	2	2	2	2	2	2	2	2	2	(1 leading rein, in lieu of 1 bearing rein, per off set having 2 reins, will be issued until stock is exhausted. See L. of C. § 8274.
											† 2 near and 2 off for R.A. and R.E.
											1 " 1 " cavalry of the line, infantry, and A.S.C.

TABLE 5—continued.

Description.	Peace.		War.		Remarks.
	Per single set of harness.				
	*Lead.	Wheel.	*Lead.	Wheel.	
	Near.	Off.	Near.	Off.	
Section No. 5A.					
HARNESSES, G.S.					
driving, long sets					
Reins					
side					
clip					
Reins, clip					

TABLE 5—General Service.

Description.	Peace.		War.		Remarks.
	Per single set of harness.				
	*Lead.		*Lead.		
	Off.	Near.	Off.	Near.	
	</				

Irons, stirrup, G.S..	..	2	—	2	—	—	2	—	—	S. size for R.A. and R.E. Cavalry as may be ordered.
Leathers, stirrup ..	..	2	—	2	—	—	2	—	—	Until stock is exhausted, then "pannels, numnah."
Numnahs, Mark VI	..	1	1	1	—	—	1	1	—	Not for R.A. nor R.E., nor for other corps when reversible bit is issued.
Reins, bit ..	..	—	—	1	1	—	—	1	1	Not required if luggage transport saddle is used.
Straps, baggage ..	..	3	3	3	3	—	3	3	3	
Surcingles, leather	..	1	1	1	1	—	1	1	1	
SPECIAL FOR MOBILIZATION STORAGE.										
<i>Section No. 5A.</i>										
Bits, portmouth, reversible, heads, bridle ..	..	—	—	—	—	—	—	—	—	In the same proportion as bits, snaffle, van. See para. 8 of Instructions at end of table.
Bits, snaffle, van ..	..	—	—	—	—	—	—	—	—	For 20 per cent. of single sets of harness in lieu of portmouth bits. None for horse or field batteries. See para. 1 of Instructions at end of table.
Girths, luggage, pieces, extending..	..	—	—	—	—	—	—	—	—	For 40 per cent. of single sets of harness.
Straps, hame, 30-inch† ..	..	—	—	—	—	—	—	—	—	1 per neck collar.
<i>Section No. 6.</i>										
Surcingles, leather, straps, extending ..	..	—	—	—	—	—	—	—	—	For 40 per cent. of single sets of harness, except horse and field batteries, which are allowed only 20 per cent. of each.

† These may be shortened regimentally as required.

Instructions to Guide Storage for Mobilization with Registered Horses.

1. For G.S. pattern harness there are to be 80 per cent. of portmouth (until existing stock is exhausted, then the reversible), and 20 per cent. of snaffle, van bits.

2. Shoe-cases will not hold shoes of any size larger than No. 8, therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box for active field service.

3. Neck-collars of registered horses are to be purchased with the horses on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on indent, from ordnance dépôts on the lines of communication.

4. G.S. pattern cruppers are no longer provided with dock-pieces, except a small percentage, viz.:—2 per troop or company R.E., and 6 per cent. A.S.C. or regimental transport.

5. For long-rein driving, hames not fitted with terret rings are to be provided with clip-rings, at the rate of four rings (to be closed on the top eye of the respective hames) per set of long reins; also with G.S. harness (having no back-pads), two back-straps per four clip-rings are required, and should be stored accordingly.

6. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

7. Head-ropes are not included in sets of harness for war, but under camp equipment.

8. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. § 7166 L. of C.

TABLE 6. HARNESS.—Machine Gun.
For Cavalry (also Mounted Infantry), and Infantry.

Sets.						
Description.	Number per set of harness.				Remarks.	
	Peace and war.					
	Cavalry.*		Infantry.†			
	Near.	Off.	Wheel.	Lead.‡		
Section No. 2A.						
Ropes, head, hemp with ring	1	1	1	1	For peace only. Head ropes are not included in sets of harness for war, but under camp equipment.	
Section No. 5A.						
HARNESS, G.S.						
Bits, port-mouth {	reversible ..	1§	1§	1||	1||	For cavalry, "bit, port-mouth, nickel," when bits already provided for them are exhausted.
	reversible, heads, bridle	1	1	1	1	Until stock is exhausted, then "bridle, port-mouth."
Cases, horse-shoe, harness	—	1	—	—	—	Sizes as may be ordered.
Chains, hame, Mark I ..	—	1	—	—	—	
Collars, neck	—	1	—	—	—	Sizes as may be ordered.
Girths, luggage	—	1	1	—	—	
Hames, Mark III .. pairs	—	1	—	—	—	L. or S. should be stated when demanding.
Leggings, drivers ..	1	—	—	—	—	
Numnahs, felt, luggage ..	—	1	1	—	—	Hair or numnah pannels must always be worn with luggage saddles.
Pads, collar	—	1	—	—	—	
Pannels, I.-A. saddles, luggage pairs	—	1	1	—	—	In lieu of hair pannels, when stock of latter is exhausted.
Pannels, numnah, luggage, pairs	—	1	1	—	—	

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

‡ The lead set shown is for use in tandem when specially ordered.

§ M. size.

|| S. (small) size.

TABLE 6—continued. HARNESS—Machine Gun.

Description.	Number per set of harness.				Remarks.	
	Peace and war.					
	Cavalry.*		Infantry.†			
	Near.	Off.	Wheel.	Lead.		
Section No. 5A.						
HARNESS, G.S.						
Saddles, iron-arch, luggage	{ L. ..	—	1	—	—	} W.-A. luggage, transport, will be issued until store is exhausted.
	{ S. ..	—	—	1	—	
Straps,	{ collar-pad pairs	—	1	—	—	} Not required for Mark I pad.
	{ girth	—	4	4	—	
Whips, drivers	{ wither, 1-inch ..	—	1	—	—	} Only required with I.-A. luggage saddle.
	{	1	—	1	—	
SPARE PARTS.						
Straps,	{ flank, 22-inch ..	—	2	—	—	} Used when the breast-collar is worn on off horse.
	{ connecting breeching, pairs	1	—	—	—	
HARNESS, A.S.C.						
Bands, back, 1½-inch ..	..	—	1	—	—	} Used when the neck-collar is worn on the near horse.
Reins	{ bearing	1	1	—	—	
	{ side	—	1	—	—	
Straps, hame	..	—	1	—	—	
HARNESS, MACHINE GUN, CAVALRY.						
Breechings,	{ near ..	1	—	—	—	
	{ off ..	—	1	—	—	
Collars, breast	..	1	—	—	—	
Cruppers.. ..	..	1	1	—	—	
Pieces, buckling	..	—	1	—	—	
Reins, leading	..	—	1	1	1	
Straps,	{ flank, { 22-inch	2	—	—	—	
	{ 19 ..	—	2	—	—	
	{ neck	1	—	—	—	
Traces pairs	..	1	1	—	—	
Tugs, back-band,	{ near ..	—	1	—	—	
	{ off ..	—	1	—	—	

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

TABLE 6—continued. HARNESS—Machine Gun.

Description.	Number per set of harness.				Remarks.	
	Peace and war.					
	Cavalry.*		Infantry.†			
	Near.	Off.	Wheel.	Lead.		
Section No. 5A.						
HARNESS, MULE, BREAST, G.S.						
Bands, back	—	—	1	—		
Breechings	—	—	1	—		
Collars {	—	—	1	1		
						breast, Mark II
head (without	—	—	1	1		
						chapes and rings)
Cruppers	—	—	1	—		
Straps {	—	—	—	1		
						back
						belly
						crupper, (with
						hook)
neck, Mark II ..	—	—	1	1		
withers	—	—	1	—		
Traces {	—	—	1	1		
						long, Mark II
pairs	—	—	1	1		
short	—	—	—	1		
Tugs {	—	—	—	1		
						back- { near ..
						band, { off ..
trace	—	—	—	2		
Section No. 5B.						
PACKSADDLERY, G.S.						
Bits, bridoon	—	—	1	—		
Section No. 6.						
SADDLERY, UNIVERSAL.						
Bits, bridoon, pattern 1884	1	1	—	—	Until stock is exhausted, then "bit, bridoon, nickel," with "head, bridoon."	
Blankets, saddle	1	1a	1a	1a	a War only.	
Cases, horseshoe, saddlery, pattern 1884	1	—	1	—		
Collars, head, Mark III..	1	1	—	—	Until stock is exhausted, then "throat strap, bridle."	
Frogs, sword, saddle ..	1	—	—	—		

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

TABLE 6—continued. HARNESS—Machine Gun.

Description.	Number per set of harness.				Remarks.
	Peace and war.				
	Cavalry.*		Infantry.†		
	Near.	Off.	Wheel.	Lead.	
<i>Section No. 6.</i>					
SADDLERY, UNIVERSAL.					
Girths , leather, pattern '84	1	—	—	—	Sizes as may be ordered. Can only be used with saddles fitted with V- girth attachment.
Irons , stirrup, G.S. ..	2	—	—	—	Until stock is exhausted, then "stirrups, nickel."
Leathers , stirrup	2	—	—	—	Sizes as may be ordered.
Numnahs , Mark VI ..	1	—	—	—	Until stock is exhausted.
Pannels , numnah, pairs	1	—	—	—	
Protectors , cape or cloak	1½	—	—	—	½ Not for war.
Reins , bit	1	1	1	—	Until stock is exhausted, then "reins, bridoon, portsmouth."
Saddles , steel arch, pat- tern 1890	1	—	—	—	When stock is exhausted pattern 1902 with its pannels will be issued.
Straps { baggage ..	3	3	3	—	
{ shoe case, pat-	1	—	1	—	
tern 1884 ..	1	1	1	—	
Surcingles , leather ..	1	1	1	—	Not required if O.P. luggage transport saddle is used.

* If animals are less than 15 hands, this harness will not fit them.

† For cobs or mules less than 15 hands.

TABLE 7. HARNESS, BREAST, POLE DRAUGHT, R.A. *
Sets.

Description.	Peace and war.		Remarks.	
	No. per set.			
	Near.	Off.		
Section No. 2A.				
Ropes, head, hemp with ring	1	1	Peace only. In war this forms part of camp equipment.	
Section No. 5A.				
HARNESS, BREAST, POLE DRAUGHT, R.A.				
Breechings	1	1	Wheel only.	
Collars, breast	1	1		
Neckpiece, pole-bar.. ..	1	1	Wheel only.	
Straps {	hip, long, wheel			
	loin, lead	1	1	Wheel only. Lead and centre only.
Traces {	neck	1	1	
	wire, long .. pairs	1	1	
Tugs, neck piece	wire, short .. pairs	1	1	Lead and centre only.
	—	—	—	2 per gun and G.S. wagon team.
HARNESS, GENERAL SERVICE.				
Bits, portmouth, reversible..	1	1	Sizes as ordered.	
Leggings, drivers	1	—		
Pads, collar	1	1	Wheel only. L. size until stock is exhausted, then S. size.	
Straps, collar, pad .. pairs	1	1	Wheel only.	
Whips, drivers	1	—		
Section No. 6.				
SADDLERY, UNIVERSAL.				
Blankets, saddle	1	1		
Bridles, portmouth	1	1	L. size.	
Girths, leather, pattern 1884	1	1	Sizes as ordered.	
Leathers, stirrup	2	2	S. size.	
Pannels, numnah, pattern 1902 pairs	1	1	These must be worn with pattern 1902 saddle.	
Reins, bit	1	1	When reins bearing Mark II are exhausted.	

* Until stock of converted parts is exhausted the set of harness detailed in Table 8 will be issued.

(EQ. R. 2220)

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TABLE 7—continued. HARNESS Breast, Pole Draught, R.A.

Description.	Peace and war.		Remarks.
	No. per set.		
	Near.	Off.	
Section No. 6.			
Saddles, steel arch, pattern 1902	1	1	L. size. When store of drivers saddles and pattern '90 are exhausted. When store of irons, stirrup, G.S., is exhausted.
Stirrups, nickel	2	2	
Straps, baggage	3	3	
Straps, throat	1	1	
Surcingles, leather.. ..	1	1	
SPECIAL FOR MOBILIZATION STORAGE.			
Section No. 5A.			
HARNESS, G.S.			
Bits, snaffle, van	—	—	Heavy artillery ammunition columns only. For 20 per cent. of single sets of harness in lieu of a similar number of reversible bits.
Girths, luggage, pieces, extending	—	—	
Section No. 6.			
SADDLERY, UNIVERSAL.			
Surcingles, leather, straps, extending	—	—	For 40 per cent. of single sets of harness of ammunition columns. 20 per cent. for other services.

**TABLE 8.—HARNESS, BREAST, POLE DRAUGHT,
R.A. CONVERTED (L. OF C. 12,134.)**

Rope traces are employed in lead and centre.

Sets.

Description.	Wheel.		Lead and centre.		Remarks.	
	Near.	Off.	Near.	Off.		
NEW ARTICLES.						
Section No. 2A.						
Ropes, head, hemp with ring	1	1	2	2	Peace only. In war these form part of camp equipment.	
Section No. 5A.						
HARNESS, BREAST, POLE DRAUGHT, R.A.						
Collars, breast	1	1	2	2		
Neckpieces, polebar ..	1	1	—	—		
Straps, neck	1	1	2	2		
Traces, wire, long—pairs	1	1	—	—		
CONVERTED ARTICLES.						
Section No. 5A.						
HARNESS, BREAST, POLE DRAUGHT, R.A.						
Breechings	1	1	—	—	Until stock is exhausted, then wire traces.	
Straps, { hip, long, wheel, pairs	1	1	—	—		
{ loin, lead	—	—	2	2		
Traces, rope, long, pairs	—	—	2	2		
Tugs, neck piece ..	—	—	—	—	2 per gun and G.S. wagon team.	
ARTICLES UNALTERED.						
HARNESS, POLE DRAUGHT, R.A.						
Traces, rope, short, pairs	—	—	2	2	Until stock is exhausted, then wire traces.	
HARNESS, G.S.						
Bits, portmouth, reversible	1	1	2	2	Sizes as ordered.	
Heads, bridle	1	1	2	2	To be worn with collars, head.	
Leggings, drivers ..	1	—	2	—	“L” size until stock is exhausted, then S. size.	
Pads, collar	1	1	—	—		

TABLE 8—continued. HARNESS—Breast, Pole Draught, R.A., Converted.

Description.	Wheel.		Lead and centre.		Remarks.
	Near.	Off.	Near.	Off.	
HARNESS, G.S.					
Pannels, numnah, drivers pairs	—	—	—	—	As ordered.
Reins, bearing	1	1	2	2	Until stock is ex- hausted.
Saddles, drivers or S.A. pattern '90	1	1	2	2	Until stock is ex- hausted, then
Straps, collar pad—pairs	1	1	—	—	pattern 1902.
Whips, drivers	1	—	2	—	
Section No. 6.					
SADDLERY, UNIVERSAL.					
Blankets, saddle ..	1	1	2	2	
Collars, head	1	1	2	2	Until stock is ex- hausted, then
Girths, leather, pattern 1884	1	1	2	2	bridle with throat strap.
Irons, stirrup, G.S. ..	2	2	4	4	Sizes as ordered.
Leathers, stirrup ..	2	2	4	4	Until stock is ex- hausted, then
Numnahs, Mark VI ..	1	1	2	2	stirrups nickel.
Straps, baggage.. ..	3	3	6	6	Until stock is ex- hausted, then
Surcingles, leather ..	1	1	2	2	numnah pannels.
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SPECIAL FOR MOBILIZATION STORAGE.					
Section No. 5A.					
HARNESS, G.S.					
Bits, snaffle, van.. ..	—	—	—	—	Heavy artillery am- munition columns only. For 20 per cent. of single sets of harness in lieu of a similar number of re- versible bits.
Girths, luggage, pieces, extending	—	—	—	—	For 40 per cent. of of single sets of harness of ammu- nition columns. 20 per cent. for other services.
Section No. 6.					
SADDLERY, UNIVERSAL.					
Surcingles, leather, straps, extending ..	—	—	—	—	

TABLE 2.

HARNESS:—A.S.C., N.F.

For R.A., R.E., Cavalry, A.S.C. and Infantry Regimental Transport, as may be ordered.

Sets.

Description.	Wheel.						Remarks.
	Peace.		War.				
	Near.	Off.	Near.	Off.	Near.	Off.	
<i>Section No. 2A.</i>							<i>See para. 6 of Instructions at end of table.</i>
Ropes, head, hemp with ring ..	1	1	—	—	—	—	
<i>Section No. 5A.</i>							
HARNESS, A.S.C.							
Bands { back, 1½-inch ..	—	1	—	—	1	1	
{ belly	1	1	1	1	1	1	
Breechings, Mark II ..	1	1	1	1	1	1	
{ breast, Mark II ..	1	1	1	1	1	1	
Collars { head	1	1	1	1	1	1	
Cruppers { without dock-pieces ..	1	1	1	1	1	1	
{ dock-pieces ..	—	—	—	—	—	—	

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TABLE 9—continued. HARNESS:—A.S.C., N.P.

Description.	Wheel.				Remarks.
	Peace.		War.		
	Near.	Off.	Near.	Off.	
<i>Section No. 5A.</i>					
Hames	—	1	—	1†	1 per neck collar.
Pads, back	—	1	—	1†	† Not for R.E. units, until their vehicles are fitted for pole-draught.
Pieces, buckling, 1-inch	—	1	—	1	1 per neck collar.
Reins { bearing	—	1	—	1	
	—	1	—	1	
side	—	2	—	2	
{ carrying, Mark II	—	—	—	—	
Straps { hame	—	—	—	—	
neck	—	—	—	—	
{ attachments, hames..	—	—	—	—	1 per neck collar. See straps, hame, 30-inch.
chains	1	1	1	1	1 per breast collar.
Traces { pieces, leather	1	1	1	1	
	1	1	1	1	
ropes	—	2	—	2	1 per neck collar, to extend the trace.
Tugs, back-band, 1½-inch	—	—	—	—	
HARNESS, G.S.					
Bits, { reversible	—	—	1	1	M. or L. size (see para. 8, Appendix XII; also "bits, snaffle, van," below.
port-mouth, { harness, with bridle-head ..	1	1	—	—	Until store is exhausted, then the reversible bit. With reversible bit "bridle, portmouth," when store of heads is exhausted. See also note against "collars, head."

HARNESS:—A.S.C., N.P.

TABLE 9—continued.

Description.	Wheel.				Remarks.	
	Peace.		War.			
	Near.	Off.	Near.	Off.		
Section No. 5A.						
Traces, hooks	2	2	2	2	‡2 per set of driving reins, in lieu of the back-pads, for R.E. units, until their vehicles are fitted for pole-draught. \$ 1 per set of driving reins.	
Whips, drivers	1	—	1	—		
HARNESS AND SADDLERY.						
Straps, back	—	—	‡	—		
Whips, driving	\$	—	\$	—	When reversible bit is not issued. Sizes as may be ordered. Until stock is exhausted, then "stirrups, nickel." S. Size. When pattern 1902 saddles are issued, numnah pannels will be issued in lieu. Only when bridoons are issued. Not required if luggage O.P. transport saddle is issued.	
Section No. 6.						
SADDLERY, UNIVERSAL.						
Bits, bridoon, patt. '84 ..	1	1	—	—		
Blankets, saddle	—	—	1	1		
Girths, leather, pattern '84 ..	—	—	1	—		
Irons, stirrup, G.S.	2	—	2	—		
Leathers, stirrup	2	—	2	—		
Numnahs, Mark VI	1	—	1	—		
Reins, bit	1	1	—	—		
Straps, baggage	3	3	3	3		
Surcingles, leather	1	1	1	1		

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SPECIAL FOR MOBILIZATION STORAGE.

Section No. 5A.

HARNESS, G.S.

{ portmouth, reversible, heads,
bridle

Bits.

{ snaffle, van

Girths, luggage, pieces, extending ..

Straps, hame (30-inch*)

HARNESS, A.S.C.

Breechings, straps, extending ..

Section No. 6.

SADDLERY, UNIVERSAL.

Surcingles, leather, straps, extending..

In the same proportion as bits, snaffle, van.
See para. 7 of instructions at end of table.
Until stock is exhausted, then "bridle,
portmouth,"

For 20 per cent. of single sets of harness, in lieu
of a similar number of reversible or G.S. bits.
See para. 2 of instructions at end of table.

For 40 per cent. of single sets of harness for all
sizes of girths.
1 per neck collar.

For 40 per cent. of single sets of harness.

For 40 per cent. of single sets of harness.

* These may be shortened regimentally as required.

INSTRUCTIONS TO GUIDE STORAGE FOR MOBILIZATION WITH REGISTERED HORSES.

1. Only 6 per cent. of the cruppers in A.S.C. new pattern harness sets are to have dock-pieces.

2. For sets of A.S.C. new pattern harness, there are to be 80 per cent. of reversible, and 20 per cent. of the snaffle van pattern bits.

3. Shoe-cases will not hold shoes of any size larger than No. 8; therefore Nos. 9 and 10 shoes, stored for registered heavy draught horses, are to be carried instead in the wagon box, for active field service.

4. Neck-collars of registered horses are to be purchased on mobilization, for use until the service pattern from store can be fitted instead. Where those stored for a unit are found to be too small, larger sizes will be obtainable in exchange, on indent from Ordnance Depôts on the line of communications.

5. Hair pannels in use with saddles (except those of the luggage pattern) will, on mobilization, be left at the peace station of the unit, and saddle-blankets taken into use instead.

6. Head-ropes are not included in sets of harness for war, but under camp equipment.

7. With snaffle van bits, in lieu of portmouth pattern, for horses with tender mouths, or requiring a larger mouthpiece, the reversible head is necessary. \$7166 L. of C.

TABLE 10. PACK-SADDLERY, G.S., MARK III OR IV.

Set.

N.B.—Marks III and IV are identical, except that Mark IV has tinned buckles and a steel-arch saddle-tree.

Description.	No.	Remarks.
<i>Section No. 5B.</i>		
PACKSADDLERY, G.S.		
Bits, bridoon	1	Or breechings, cavalry pioneers when horses are employed.
Breechings	1	
Chains, collar, G.S.	1	
Collars { breast	1	
{ head	1	
Covers, 6' x 6', G.S.	1	
Cruppers†	1	
Girths pairs	1	
Pannels†† "	1	

† 1½ lbs. of horse hair will be issued with each pair of new pannels in addition to the annual allowance; this should be put under the quilted parts, if necessary, after the pannels have been worn a short time.

†† "Large" or "small" as ordered.

TABLE 10.—PACKSADDLERY, G.S., Mark III or IV—*continued.*

Description.	No.	Remarks.
<i>Section No. 5B.</i>		
PACKSADDLERY, G.S.		
Reins, bridoon	1	{ Mark II for Mark IV trees, and those trees of Mark III that may have mortices in the bar for their attachment.
Ropes pairs	2	
Straps, girth	4	
Surcingles	1	{ For use with small tree only, for cacolets and racks, intrenching tool, R.E. small.
Trees|| .. ..	1	
Bars, hanging, Mark II ..	2	
Girths, leather, Mark I ..	1	

TABLE 11.—PACKSADDLERY, G.S., ADJUSTABLE TREE.
Set.*

Sec.

Description.	No.	Remarks.
<i>Section No. 5B.</i>		
PACKSADDLERY, G.S.		
Bits , bridoon	1	{ Or breechings, cavalry pioneers when horses are employed.
Breechings , Mark V† ..	1	
Chains , collar, G.S., Mark III	1	
Collars { breast, Mark V† ..	1	{ For use with cacolets and racks, intrenching tool, R.E. small.
{ head, Mark IV ..	1	
Covers , 6 ft. x 6 ft., G.S. ..	1	
Cruppers , Mark V†	1	
Girths , Mark V	2	
Pannels , Mark V\$† .. pairs	1	
Reins , bridoon, Mark II ..	1	
Ropes , baggage pairs	2	
Straps , girth, Mark II ..	4	
Surcingles , Mark III ..	1	
Trees , adjustable†	1	
Bars , hanging, Mark II ..	2	
Girths , leather, Mark I ..	1	
PACKSADDLERY, M.G., 303-in.		
Frames , wood, Mark II ..	1	{ When required for M.G. ammuni- tion saddle.

* This set can be used in place of either large or small Marks III or IV to carry cacolets, or racks, intrenching tool, R.E., small, and other loads.

† Marks III and IV breechings, breast collars, and cruppers, large, can be used with this tree and its pannels.

‡ 1½ lbs. of horse hair will be issued with each pair of new pannels in addition to the annual allowance; this should be put under the quilted parts, if necessary, after the pannels have been worn a short time.

§ The Mark V pannels will also fit Marks III or IV small trees.
|| "Large" or "small" as ordered.

TABLE 12.—HARNESS, MULE, BREAST.

Sets.						
Description.	10-span.		6-span.	Remarks.		
	A.	B.				
Section No. 5A.						
HARNESS, MULE, BREAST, 10-SPAN:—						
Bits, snaffle	10	10	6	With winkers, neck-strap and reim.		
Breechings, Mark II	4	2	2			
Straps, connecting	8	4	4			
Bridles, Mark III	10	10	6			
Collars, breast, Mark III ..	10	10	6	c 1 pair being spare.		
Cruppers, Mark I	4	2	2			
Reins, { lead { single.. ..	8	8	4			
driving { wheel.. .. sets	1	1	1			
back, wheel	4	2	2	Not required when cart saddles are issued. Also for "back lead."		
Straps { neck, Mark II ..	16	18	10			
pole	4	2	2			
Traces, wheel, Mark II.. pairs	10	10	6	Also for lead. 2 pairs of traces lead will be issued in lieu of "wheel" until existing stock is exhausted.		
Bars, coupling	1	1	1	§ 1 set being spare. a 4 sets only will be issued when 2 pairs of "lead" traces are issued in lieu of "wheel," one set in each case being spare.		
Chains, trek, 8-feet	3	3	1			
Swingletrees	5§	5\$ <i>a</i>	3§			
Saddles, cart (for belly bugles)	—	—	2			
Straps, back, belly bugle ..	—	—	2	} When specially ordered.		
Tugs, belly bugle	—	—	4			
Whips, driving, 8-span.. ..	1	1	1			
				For 6- or 10-span. At home "Whips longeing" are to be used. In South Africa, whips driving 8-span, Mark II (§ 11,207, List of Changes) will be used, and will be provided locally.		

A. This 10-span set is to be issued when it is probable it may be required be broken up into 4, 6, or 8-span.

B. For use as 10-span only.

TABLE 13.—LIST OF STORES COMPRISING A SET OF EQUITATION ARTICLES. (Referred to in paragraph 245.)

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Description.							No.
<i>Section No. 5A.</i>							
Bridles	{ cord, breaking	..	..	..	..	..	2
	{ mouthing, complete	..	..	..	..	..	1
	{ snaffle, complete	..	..	..	..	..	4
Caps, knee, horse	..	..	..	..	..	..	2
Cavisons, with cord	..	..	..	..	..	..	1
Pads, driving, breaking, with crupper, girth, 2 bearing reins, and 2 rubber reins							
Reins	{ web, driving, breaking	..	..	..	..	..	2
	{ cord, driving, breaking	..	..	..	..	..	2
	{ running, riding	..	..	..	..	..	4
Straps, throwing	{ long	..	..	..	..	..	2
	{ short	..	..	..	..	..	2
Whips, hand	..	..	..	..	..	..	2
„ longeing	..	..	..	..	..	..	1

Crosstrees will not form part of a set, but will be issued as may be ordered.

* Until stock is exhausted, the “roller, breaking,” with two rubber reins will be issued in lieu.

A.O. 53
1908

APPENDIX XII.

(Referred to in paragraph 165.)

INSTRUCTIONS RELATING TO HARNESS AND SADDLERY
STORED FOR REGISTERED HORSES.

1. The proportions of sizes, &c., of various articles of harness and saddlery for use with registered horses on mobilization, are detailed in the following tables, with instructional notes:—

Extending Pieces, &c.

(\$ 7166, *List of Changes*.)

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Description.	Percentages to be stored for—			
	Universal saddles.	R.A. pole-draught harness.		Transport draught.
		Ammunition columns.	Other units.	
Bits, snaffle, van	...	20*†	...	20*
Breechings, Army Service Corps pattern, straps, extending	...	...	...	40
Girths, luggage, pieces, extending	10	40	20	40
Surcingle, leather, straps, extending	10	40	20	40

* In lieu of similar numbers of reversible bits. The reversible bridle-head or the portsmouth bridle is necessary with snaffle van bits.

† Heavy artillery ammunition columns only.

Bit, Snaffle.

2. The snaffle bit is a strong double-ring pattern with twisted mouthpiece. It will be used with horses in transport not accustomed to work in portsmouth bits, or that require a larger mouthpiece than the 5½-inch, No. 2 (largest size) portsmouth reversible bit.

Breeching, Army Service Corps.—Strap, Extending.

3. The strap is 1½ inches in width and 13¾ inches in length, and fitted with a 1½-inch buckle to take the breeching strap.

These straps will be required with the Army Service Corps new-pattern breechings when used on heavy van horses, as the breeching straps will be found too short to permit of their being bent back and buckled after passing through the squares in the leather parts of the traces.

Two straps will be required with each breeching, one on each side, if any extension of breeching is necessary, to allow the seat of breeching and the hip straps to work evenly.

NOTE.—The extending straps are not intended to take the place of the short breeching straps mentioned in *List of Changes*, § 7096.

Girth.—Piece, Extending.

4. The extending piece for luggage girth is 12 inches in length, fitted with two 1-inch buckles, and split into two 1-inch straps to buckle into the girth. It will suit any of the girths mentioned in the following table of girths.

The extending pieces will be found unnecessary in some cases after a few days' wear. See page 279, with reference to stretching of leather.

Girths.							A.O. 77
Percentage of sizes.							1907
Pattern and size.	Universal saddlery.			Harness.			
	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery (except heavy).	Heavy Artillery.	Other units.	
							79 1354
Small (26-inch) ...	...	100	...	...	...	...	A.O. 77
Medium (31-inch) ...	100	...	70	60	12	30	1907
Large (36-inch) ...	...	...	30	40	88	70	
Luggage (48-inch)* ...	...	...	...	...	...	...	79
	100	100	100	100	100	100	1770

* All luggage saddles.

No girths having $1\frac{1}{4}$ -inch buckles are to be held in mobilization stores.

Surcingle.—Strap, Extending.

6. The strap for extending surcingle is 13 inches in length, fitted at one end with a buckle, and suitably punched at the other end.

The service surcingle is issued in two sizes, large and small. The strap is set back on the body 5 inches to allow it to be lengthened regimentally by re-sewing the strap nearer the point, when necessary. But as this cannot be done on mobilization, extending straps are provided.

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1907

Strap, Hame, 30-inch.

7. The strap hame for future manufacture will be 30 inches. This length only will be held in mobilization stores.

8. Bits, Portsmouth.

Percentage of sizes.

Pattern and size.	Saddlery.				Harness.		
	Officers.	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery (except heavy).	Other units.	
							79 1354
Cavalry, { small ...	...	10	...	...	...	...	
Mark II. { medium ...	...	60*	...	...	...	...	
large ...	...	30*	...	...	...	...	
† Reversible—							
M. size ...	100	...	...	50*	20	...	
L. size ...	...	...	...	50*	80	100	
S. size ...	...	...	100†	...	...	...	
	100	100	100	100	100	100	

* These will not be placed in mobilization stores for use with saddlery until the store of bits, portsmouth, saddlery, is exhausted. One size only of the latter pattern is kept.

† Also 5 per cent. of "Bits, bridoon, pattern 1884," with chains of five links.

‡ New pattern Army Service Corps and Royal Artillery pole-draught sets of harness only are to have this pattern of bit for the present. The portsmouth bit is to be used in lieu for other draught services until existing stock is exhausted.

Collars, Head.
Percentages of sizes.

9.

Pattern and size.	Universal saddlery.			Harness.	
	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Artillery.	Royal Engineers, Army Service Corps, and transport.
Mark III { small	80	100	10	10	...
{ large	20	...	90	90	...
Army Service Corps pattern ...	...	...	...	...	100
	100	100	100	100	100

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1907

Cruppers and Dock-pieces.

10. Only 6 per cent. of the Army Service Corps pattern harness cruppers are to have dock-pieces.

Dock-pieces of general service cruppers, when issued, need not be used, but turned up.

Leathers, Stirrup.

11.

Percentages of sizes.

Sizes.	Universal saddlery.			Harness.
	Cavalry.	Mounted infantry.	Royal Artillery, Royal Engineers, and Army Service Corps.	Drivers.
Short	80	100	80	100
Long	20	...	20	...
	100	100	100	100

A.O. 17
1907

Neck-collars and Hames.

12. The registered horses will bring their own neck-collars, for use if a service collar cannot be fitted suitably for immediate work.

For tables of percentages of service collars *see* paragraph 164.

The sizes of service hames differ by inches from 22 to 25 inches.

The service neck collars differ in sizes by half inches, and vary from 20 to 25½ inches.

Service hames of suitable sizes and of the patterns described in §§ 7883 and 7884, *List of Changes*, i.e., the general service, Mark III., the pole-draught, and the Army Service Corps patterns, with detachable hame-chains, will fit any civilian pattern or service collar.

The size of hame need not necessarily correspond with the size of collar. Each service hame will generally fit a collar two sizes

below or above its own marked size, civilian pattern pipe-collars excepted.

A pipe-collar is closed at the top, and is V-shaped at the throat, The shape of the throat necessitates a full-sized hame being used, so as to place the draught-arm sufficiently high.

Pads, Collar, Zinc.

13.

Percentages of sizes.

Pattern and size.	For neck collars.		For breast collars, R.A. wheel.	Remarks.
	Up to 23½ inches.	24 inches and upwards.		
Mark II { small	100	...	100	Large size will be issued for 23-inch and upwards until stock is reduced.
large	...	100	...	

A.O. 195

1906

N.B.—To prevent damage and undue wear when in use with breast collars, the pad straps should not be excessively tightened to bend in the ends of the pad, nor should the pad be bent in to touch the front and back of the neck collars.

Pannels, Hair, for Luggage Saddles.

14. Hair pannels flatten after a few days' wear, and in consequence the girths will then be worn two or three holes shorter than originally fitted.

The saddle blanket must not be carried under the saddle with hair pannels, as it will raise the saddle too high off the animal's back, and cause the girth and surcingle to be too short. It will be carried in the vehicle, when pannels are in use.

Saddles.

Percentages of sizes.

15.

						Universal sizes.			Total.	Harness.			
						S.	M.	L.		Drivers.		Luggage.	
										Large.	Small.*	Large.	Small.†
Cavalry	...	...	...	...	...	90	10	100	...	...	...	...	
Mounted Infantry	...	...	...	100†	...	...	...	100	...	...	...	...	
Royal Horse Artillery	...	...	...	...	...	70	30	100	100	...	100	...	
Field Artillery, Royal Engineers, Army Service Corps, and regimental transport						...	60	40	100	100	...	100	...

* For cobs only, 100 per cent.

† For machine-gun Infantry and mule harness only, 100 per cent.

‡ Only when horsed with animals under 15 hands (cobs).

Stretching of Leather.

16. It should be noted that all new leather subject to strain elongates from ½ an inch to 1 inch in 12 inches, according to width and

substance, and whether it is subject to strain when wet from sweat or rain.

Bit-heads, throat-lashes, breast-plates, girths, and surcingles will stretch to the maximum.

Punching Straps.

17. In punching straps the correct size of punch should, whenever possible, be used, so that holes similar to those already in the straps may be made.

Where it can be done without spoiling the appearance of the strap by punching too near the point, a spare hole or more should be punched above or below that in use.

Ropes, Head.

18. These are not included in sets of harness and saddlery for war, but are issued as camp equipment.

Rings, Clip.

19. When hames are not fitted with terret-rings for long-rein driving, clip rings—to be closed on the top eye of the hames—are to be used for that purpose, and will be stored accordingly with the sets of harness for mobilization, at the rate of four rings per set of long reins.

Straps, Back.

20. When back-pads are not stored with the sets of harness, two backstraps per set of long reins are to be used in long-rein driving, and stored accordingly.

Irons, Stirrup.

21. Stirrup irons will at present be stored in the proportion of 80 per cent., small size ($4\frac{1}{8}$ -inch thread), and 20 per cent., large size ($4\frac{3}{4}$ -inch thread). No more small size will, however, be provided, and the small-sized stirrup irons in mobilization will be gradually replaced by large size as the small size are used up.

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1906

APPENDIX XIII.

(Referred to in paragraph 423.)

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF THE LEATHER OF HARNESS AND SADDLERY (OTHER THAN THAT HELD FOR MOBILIZATION) IN POSSESSION OF TROOPS.

1. Once in every six months the saddlery and harness in possession of the troops is to be laid by in dubbing for two or three days.

2. From Friday afternoon until Monday afternoon is a suitable time, if the Saturday intervening be made a saddlery and harness inspection day, so that the officer immediately responsible may see that the orders are strictly carried out.

3. The whole of the strapping composing the saddlery and harness will be taken to pieces ; and after the articles have been cleaned, and while they are damp from the use of a wet sponge, the dubbing will be lightly rubbed in. It may be applied with a rag, sponge, or brush. Dubbing spreads more uniformly, and is incorporated more thoroughly with the fibres of the leather, if applied when the leather is damped. In the winter months the dubbing should be warmed.

4. When the dubbing has had time to penetrate the leather, which will be in two or three days, the residue of tallow on the surface should be rubbed off, and the article polished up with a cloth or brush. If this is properly done, and only a sufficiency of dubbing has been used, the leather will not soil the hand or glove when handled.

5. Carbine buckets, and seats and flaps of saddles, being of uncurried leather and requiring to be kept stiff, should only be very lightly dubbed *annually*, but occasional soap sponging is necessary to preserve the grain.

6. Soap should be used daily, where articles are in constant use, to produce mellowness in the leather rather than an outward gloss. Inspecting officers should handle the straps to ascertain that they are pliable, and in good preservation.

7. So long as leather remains dry and clean it needs but little attention, beyond receiving a little grease half-yearly ; but when wetted, either by rain or by the water necessary to clean it, the leather becomes hard and stiff, if not softened with some oily matter.

8. Leather must not be washed with soda nor soaked in water. Its vitality is quite destroyed by being soaked in hot water, and it will be found afterwards to readily crack when bent. Washing the leather with soap and *luke-warm* water, quickly and without soaking, will not injure it if the precaution is taken to apply oil, dubbing, or good soap, while the article is slightly damp.

9. Drying the leather by the fire destroys its durable properties, and is strictly forbidden.

10. Leather articles exposed to the action of ammonia, which is continually given off in stables, become weak and rotten sooner than those not so exposed. But the grease of oil, soap, or dubbing, applied from time to time, penetrates the leather, nourishes it, and fits it to resist the deleterious effects of ammonia, and of atmospheric moisture; it also fills up the fibres, makes the leather more mellow, and increases its tensile strength.

11. Soft soap contains an excess of alkali, and should be sparingly used; if applied freely it gives the leather a dark and sodden appearance.

12. Bees-wax and saddle soaps, commonly used in the service to give a polish to the grain of the leather, are not objectionable, providing good yellow soap is used to the flesh (under) side to keep the leather mellow.

13. Black saddlery leather requires greater care than brown. To give it a good appearance, the best blacking only should be used.

14. The harness and saddlery of sick and young horses, when kept in store, should be properly cleaned, and soaped, or dubbed, before being stored. The officer immediately responsible should inspect them monthly.

(Referred to in

(For R.E. Vehicles, see

Section No.	Description.	Number									
		Carts.									
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.				
		Marks					Marks		Con- verted water barrel, Marks		
		I.	I* and II.				I* and II.	IIA.			
										I and II.	III.
	A.—Not demanded or accounted for separately.										
	COMPONENTS.										
21	Apparatus, filtering :—										
	Gistern, with 4 taps, and draw off cock with key	...	..	...	...	...	...	1	...	1	
	Cocks, threeway, connecting { filters { pump	...	...	...	...	...	...	2	...	2	
	Filters { clarifying, with sponges... { sterilizing, with 4 candles	...	...	...	...	...	...	2	...	3	
	Hose, with strainer and float	...	...	...	...	...	...	2	...	4	
	Pipes { connecting { filters to tank { draw off, with 4 taps { pump to filters	...	...	...	...	...	...	2	...	5	
	{ filling { long bend ... { short bend ...	...	...	...	...	...	...	2	...	6	
	Plates, fixing pump	...	...	...	...	...	...	2	...	7	
	Pumps	...	...	...	...	...	...	2	...	8	
21	Aprons, wagon, ambulance†	...	...	...	...	...	...	2	...	9	
21	Bands, tank water cart ...	...	...	...	...	...	2	2	2	10	
21	Barrels, water, wagon ambulance	...	...	...	...	...	...	...	...	11	
21	{ draught	...	...	...	...	...	...	...	...	12	
21	{ loading	...	...	...	2	...	...	...	...	13	
21	Bars { securing, water tank	...	...	...	...	...	...	...	...	14	
14	{ supporting, draught pole No. 3.	...	...	...	...	...	...	...	...	15	
21	Boards, partition	...	...	...	...	...	...	...	...	16	
21	{ grease, 3-lb.	...	1	1	1	1	1	1	1	17	
21	{ limber	...	...	...	...	...	...	...	...	18	
21	Boxes { small stores	...	...	...	...	...	...	1†	...	19	
21	{ surgical appliances†	...	...	...	...	...	...	...	...	20	
21	{ store	...	...	...	...	...	...	...	...	21	
21	Carriers, dust { 2nd class axletree, No. 1	...	...	...	...	...	...	...	...	22	
21	{ excluder { 3rd " " "	...	...	...	...	...	...	...	...	23	
21	Cask, water, 108 gallons	...	...	...	...	1	...	...	...	24	

57	† According to Mark of vehicle.
Wool.	• † Certain carts have been fitted with wood box (Mark I) at front of tank and provided with 8 tin candle boxes in canvas bag. Others with steel box (Mark II) on top of tank and provided with canvas bag only. These boxes, on becoming unserviceable, will be replaced by Mark III boxes.
3271	

XIV.

Paragraph 38.)

and Wagon Equipment of Vehicles.

Part 2, Section X.)

per vehicle.

per vehicle.

Wagons.																				Remarks.
Ambulance.			Ammunition and Store, R.A.	General Service.														Limbered, G.S.	Small Arm Am- munition.	
Marks				Marks																
IV.	V*.	VI.		Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.				X.	X*.	Fore.	Hind.
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	1a	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
19	..	1b	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
22	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
25	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

a When existing stock is used up, will be replaced by water tank.

b Only required when wagon is provided with water tank.

} On shoulder of axle-tree.

a When existing stock is used up, will be replaced by water tank.

b Only required when wagon is provided with water tank.

} On shoulder of axle-tree.

Section No.	Description.	Number									
		Carts.									
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.				
		Marks					Marks		Converted water barrel, Marks		
		I.	I* and II.				I* and II.	IIA.	I and II.	III.	
COMPONENTS—continued.											
21	Chains	check, perch, wagons, G.S.†	...	...	...	...	...	...	...	...	1
21		draught	bar, wagon, G.S.	...	...	...	...	...	...	...	2
21			cart, forage, outrigger	1	1	...	...	...	...	...	3
21			limber, wagon, S.A.A.	...	...	...	...	...	...	...	4
21			pole, No. 2	...	...	...	...	...	...	...	5
21		rear, wagon, G.S.	...	...	...	...	...	...	...	...	6
21		locking, wagon, G.S.	...	...	...	...	...	...	...	...	7
21	Collars,	2nd class "C" capped wheels	...	...	...	...	...	...	...	...	8
21	adjusting	3rd "B"	...	...	...	...	...	...	...	...	9
21	Covers	wagon, ambulance, light (canvas	...	...	...	...	...	...	...	...	10
21		with bale hoops)	...	...	...	...	...	...	...	...	11
21		thigh splints	...	...	...	...	...	...	...	...	12
21	Cups, drinking, cart, water	...	...	...	...	1	1	1	1	1	13
21	Curtains, set of 8	...	...	...	...	...	...	...	...	...	14
21	Cushions	centre	...	...	...	...	...	...	...	...	15
21		front	...	...	...	...	...	...	...	...	16
21		large	...	...	...	...	...	...	...	...	17
21		rear	...	...	...	...	...	...	...	...	18
21		small	...	...	...	...	...	...	...	...	19
21	Excluders, dust	2nd class axletree	...	...	...	...	...	...	...	...	20
21		3rd	...	...	...	...	...	...	...	...	21
21	Funnels, cart, water barrel	...	...	...	...	1	...	...	...	...	22
21	Girths, cart	...	...	...	...	1	1	1	1	1	23
21	Hame attachments, supporting pole bar	...	...	...	...	...	...	...	...	...	24
21	Hoods	...	...	...	...	...	...	...	...	...	25
21	Hooks	draught, S	...	...	...	2	2	2	2	...	26
21		carrying, hose	...	...	...	...	...	...	4	...	...	27
21	Keys, water tap	...	...	...	...	1	5	...	5	5	28
21	Ladders†	...	...	...	...	...	...	...	...	...	29
21	Lamps, vehicle†	left	...	...	...	...	...	...	...	...	30
21		right	...	...	...	...	...	...	...	...	...
21	Leathers, hand, with buckle	...	...	...	...	...	...	...	...	...	32
10	Locks, pad, iron, 2-inch	...	...	...	...	...	...	...	...	...	33
21	Nuts, flange, tap, cart, water barrel	...	...	...	...	1	...	...	...	...	34
21	Perch	...	...	...	...	...	...	...	...	...	35
21	Pins, linch	with tread plate { A	...	...	...	...	...	...	...	...	36
21		B	...	...	...	...	...	...	...	...	37
14		2nd class	...	...	...	2	...	...	...	...	...
21	Pins, linch	3rd class	...	...	...	2	2	2	2	2	39
21			...	...	...	...	...	...	...	...	...
21		2nd class, "C," capped wheels	...	...	...	...	...	...	...	...	41
21		3rd class, "B,"	...	...	...	...	...	...	...	...	...

† According to mark of vehicle.

per vehicle.		Wagons.																			Remarks.		
		Ambulance.		Ammunition and Store, R.A.		General Service.										Limbered, G.S.		Small Arm Ammunition.					
		Marks		Marks		Marks										Limbered, G.S.							
IV.	V*.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Fore.	Hind.	Wagon.	Limber.	Printing.
1	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	2	2	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	..	..	..	1	..
5	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	2	2	..	..	..	..	2
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	..	..	..	..	..	..	..
8	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2	..	..	..
9	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
10	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
11	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
19	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..
22	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..
25	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
27	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	1	1	2b	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
32	1	1	2b	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
33	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
36	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
37	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
38	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
39	..	..	..	4	4	4	..	..	..	..	..	..	..	..	..	2	2	..	..	..	..	..	..
40	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	2	..	..	..	2	..	..
41	2	2	..	2	..	..	4	4	4	..	..	..	..	..	..	2	2	..	..	2	2	..	..
42	..	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	..	..	..	..	2	2	..
43	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2	..	..	..	..
44	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	2	..	..	..	..

Obsolete for future manufacture.

Each consisting of ring, leather, L section, with keep plate and screws.

For vehicles not yet fitted with draught hooks.

Left or right for inside of wagon.
} One inside and 1 outside.

For wagons having 2nd class hind axletree.

Four for wagons not provided with 2nd class hind axletree.

† Will be issued when existing stock of lamps, ambulance is used up.

Section No.	Description.	Number														
		Carts.														
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.									
		Marks					Marks		Converted water barrel, Marks							
		I.	I* and II.				I* and II.	IIA.	I and II.	III.						
COMPONENTS—continued.																
21	Pins	{ main, No. 30	{ No. 7A pole :—	...	...	...	...	...	...	...	1					
21				pole	{ A	...	...	...	...	...	...	...	2			
						{ B	...	1	...	...	1	...	...	3		
							{ C	...	...	...	...	...	...	...	4	
								{ wagon { ambulance, light	...	...	...	...	...	...	...	5
21	pole or shaft	{ G.S. { Mark III	...	...	...	...	...		...	...	6					
			{ " " V	...	...	...	...	...	...	...	7					
21	Pole, draught	{ No. 7A		...	...	...	...	...	...	...	8					
21			{ " 17, Mark III	...	...	...	...	...	...	...	9					
14				{ wagon, G.S. { Mark III	...	...	...	...	...	...	...	10				
21	Ralls, side ...	{ " " V	...		...	...	...	...	...	...	11					
21			Raves	{ cart { forage { fore or hind	...	2	2	...	...	...	...	12				
21	{ side... ..	...			2	2	...	...	...	...	13					
		{ Maltese { fore... ..			...	...	1	...	...	...	...	14				
					{ hind	...	...	1	...	...	...	...	15			
						{ side { near	...	...	1	...	...	...	...	16		
21	{ off	{ wagon, G.S.† { near	...	...	1		...	...	...	...	17					
			{ off	...	...	...	...	...	...	...	...	18				
21	Rests, arm ...	...		...	...	...	...	...	...	...	19					
21	Rods, curtain	{ long	...	...	...	...	...	...	...	...	20					
21			{ short	...	...	...	...	...	...	...	...	21				
21	Rollers, scotch	{ 4-inch		...	...	...	...	...	...	...	...	22				
21	Roof ...	{ 6 "	...	...	...	...	...	...	...	...	23					
21	Ropes	{ lifting, water barrel	...	...	...	...	...	...	...	...	24					
21			{ wire, locking	...	...	...	...	...	...	...	...	25				
21	Seat	{ and box, drivers, { ambulance†		...	...	...	...	...	...	...	...	26				
21			{ wagon { G.S., Mark IV	...	...	...	...	...	...	...	...	27				
				...	...	...	...	...	...	...	...	28				
				...	...	...	...	...	...	...	...	29				
				...	...	...	...	...	...	...	...	30				
21	Seats, wagon	...	...	...	...	...	...	...	...	...	31					
16	Shafts	{ No. 1... .. (near	...	...	...	1	...	...	...	...	32					
16			{ " 19... .. (off	...	...	...	1	...	...	...	...	33				
21				{ " 43... .. (near	...	1	1	...	...	...	...	34				
21					{ " 44... .. (off	...	1	1	...	...	...	...	35			
21						{ " 45... .. (near	...	...	...	1d	...	1d	...	36		
21							{ " 46... .. (off	...	...	...	1d	...	1d	...	37	
21								{ " 63... .. (near	...	1	...	1e	1	1	...	38
21									{ " 64... .. (off	...	1	...	1e	1	...	...	39

† According to mark of vehicle.

per vehicle.		Wagons.																		Remarks.					
		Ambulance.	Ammunition and Store, R.A.	General Service.														Limbered G.S.	Small Arm Ammunition.						
Marks				Marks		Marks																			
IV.	V*.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Fore.	Hind.	Wagon.	Limber.	Printing.		
1																							1	a Mark III only. b Mark II* only; d for perch.	
2		1	1		1a	1				1	1	1	1	1	1	1	1	1							
3	1			1	1b																1d	1	1		
4								1												1					
5			1																						
6								1																	
7									1																
8																									
9								1																	
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					1		
11																				1					
12							1																		
13									1																
14		2																							
15																									
16																									
17																									
18																									
19																								Except for Mark IV.	
20								1	1	1	1	1	1	1	1	1	1	1							
21								1	1	1	1	1	1	1	1	1	1	1							
22								1	1	1	1	1	1	1	1	1	1	1							
23			4																						
24		4																							
25		2																							
26	1	1						1	1	1	1	1	1	1	1	1	1	1							
27				1	1	1																			
28		1																							
29		2																							
30																1c	1	1						Not required when tank is supplied. c Certain Mark IX wagons have 2 wire ropes, or 2 chains for locking.	
31	1		1	1																					
32							1																		
33				1	1			1																	
34									1																
35										1	1	1	1	1	1	1	1	1							
36																									
37																									
38																									
39																									
40																									
41																								d Mark II cart only.	
42																								e Marks III and IV carts.	
43																									

Section No.	Description.	Number											
		Carts.										Converted water barrel, Marks	
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.						
		Marks					Marks		I and II.	III.			
		I.	I* and II.				I* and II.	IIA.					
COMPONENTS—continued.													
21	Shafts {	No. 83... ..	...	...	(near)	...	...	...	...	...	...	...	1
21		" 84... ..	...	...	... (off)	...	...	...	...	...	...	...	2
16		" 30... ..	...	...	(framed)	...	...	...	...	...	...	...	3
21		" 96... ..	...	...	"	...	...	...	...	...	...	...	4
		No. 4	...	...	"	...	...	...	...	...	...	...	5
21	Shoes, drag {	" 17	...	...	...	...	...	...	...	...	...	...	6
		" 24	...	...	...	...	...	...	...	...	...	...	7
21	Spanners {	No. 184	...	...	...	...	...	...	...	...	...	...	8
15		" 190	...	...	...	...	...	...	...	...	...	...	9
10	Staples, round, crowned, securing draw-off pipes												10
21	Steps, rear	...	...	...	...	...	...	...	...	4	...	...	11
14	Straps, securing†	...	...	...	set	1	1	1	1	1	1	1	12
13	Stretchers, ambulance	...	...	...	...	...	...	...	...	...	...	...	13
21	Swingletrees, No. 11 §	...	...	...	...	2	2	2	...	1A	2	1	14
						2	2	2	...	1A	2	1	15
21	Stools {	high	...	...	...	...	...	...	...	...	...	...	16
	low	...	...	...	...	...	...	...	...	...	...	...	17
21	Table	...	...	...	...	...	...	...	...	...	...	...	18
21	Tanks {	cart, water	...	...	...	...	...	...	...	1	1	1	19
		water, wagon ambulance†	...	...	...	...	...	...	...	...	...	...	20
21	Tap, cart, water barrel (with key)												21
21	Ties, linch pin	...	...	...	...	2	2	2	2	1	...	...	22
14		2nd class, B	...	...	...	...	...	...	...	2	2	2	2	23
14		2nd class, C	...	...	...	...	...	...	1	...	...	...	24
			...	...	...	...	...	...	...	...	...	...	25
21	{ drag	3rd class, B	...	...	...	2	2	2	...	2	2	2	26
			...	...	...	...	...	...	...	...	...	...	27
21	Washers {	2nd class, "C," capped wheels	...	...	...	...	...	...	...	...	...	...	28
21		3rd class, "B," capped wheels	...	...	...	...	...	...	...	...	...	...	29
21		plain, wagon, ambulance	...	...	...	...	...	...	...	...	...	...	30
	Wheels, 3rd class, B {	No. 46	...	...	...	...	...	...	...	...	...	...	31
		" 48	...	fore	...	...	...	...	...	...	...	...	32
		" 145	...	hind	...	...	...	...	...	...	...	...	33
		" 147	...	"	...	...	...	...	...	...	...	...	34
		" 150	...	fore	...	...	...	...	...	...	...	...	35
		" 155	...	"	...	...	...	...	...	...	...	...	36
21		" 158	hind {	...	...	...	...	...	...	...	...	...	37

† According to Mark of Vehicle.
 ‡ See "Table of Components, Accessories and Straps for Service Vehicles."

per vehicle.

Wagons.																											Remarks.
Ambulance.			Ammunition and Store, R.A.		General Service.																Limbered, G.S.		Small Arm Ammunition.				
Marks			Marks		Marks																						
IV.	V*.	VI.	Light.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Fore.	Hind.	Wagon.	Limber.	Printing.					
1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	For use with No. 145 wheel. f For wagons not provided with No. 145 wheel.			
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
4	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
5	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
6	1	..	..	..	..	..	1	f	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
7	..	1	..	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..				
8	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
9	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..				
10	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
12	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
14	2	4	4	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
15	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	h 2 per Mark IV carts, water barrel.			
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
17	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..				
18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
19	2	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	x When stock of water barrels is used up.			
20	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
22	4	4	..	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	..	..	2	2	2			
23	..	..	..	..	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	..	..	..	..				
24	..	..	..	2	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
25	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	..	..	..	..	..	..	2	..	With 2nd class hind axletree.			
26	..	4	..	4	..	..	4	4	4	..	..	..	..	..	..	2	2	2	..	..	2	2	..				
27	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	..	2	2	..	..	2	2	2	"4" for wagons not provided with 2nd class hind axletrees.			
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	} Sub - components of wheels.			
29	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..				
30	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
31	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
32	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
33	..	..	..	..	..	..	2	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
35	..	..	..	..	..	..	2	2	2	..	..	..	..	..	..	..	..	..	..	..	..	2	..				
36	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..				
37	2	2	..	..	..	..	..	..	..	..	2	2	2	2	2	..	..	..	..	..	..	..	..				
38	..	..	..	..	..	..	..	..	2	2	2	2	2	2	2	..	..	..	..	..	..	..	..	When not fitted with 2nd class hind axletree.			

§ Existing stock of Nos. 3A and 10A to be used up.

Section No.	Description.	Number													
		Carts.								Converted water barrel, Marks					
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.								
		Marks					Marks								
		I.	I* and II.				I* and II.	IIA.	I and II.			III.			
COMPONENTS—continued.															
21	Wheels	{	3rd class, B	No. 158	...	2	2	2	...	2	2	2	2	1	
				" 159	fore	...	...	...	...	...	...	...	...	2	
14			2nd class, B	" 159A	...	...	...	...	...	...	...	...	...	...	3
14				" 28	fore	...	...	...	...	...	...	...	...	4	
21				" 35A	hind	...	...	...	...	...	...	...	...	5	
21				" 194	...	...	...	...	...	...	...	...	...	6	
21			2nd class, C	" 200	...	...	2	...	...	...	...	...	...	7	
21				" 260	hind	...	...	...	...	...	...	...	...	8	
				" 200A	"	...	...	...	...	...	...	...	...	10	
21				" 204	"	...	...	...	...	...	...	...	...	11	
ACCESSORIES.															
21	Kettle, sterilizing, candles, apparatus, filtering						...	...	...	...	1	...	...	12	
B.—Demanded and accounted for separately.															
I. ACCESSORIES.															
21	Covers	{	cart	forage	...	1	1	...	...	...	...	...	...	13	
14				maltese	...	...	...	1	...	...	...	...	...	14	
			wagon	ammunition and store, R.A.	...	...	...	...	...	...	...	...	...	15	
21				ambulance	{ Mark IV	...	...	...	...	...	...	...	...	16	
21				G.S.†	" V*	...	...	...	...	...	...	...	...	17	
				G.S., Mark IV	...	...	...	...	...	...	...	...	...	19	
21			wagon	limbered	...	...	...	...	...	...	...	...	...	20	
21				adjustable, G.S. wagons	...	{	...	...	...	...	...	...	...	21	
							...	...	...	...	...	...	...	22	
							...	...	...	...	...	...	...	23	
21	Hoops, bale	{	cart, forage	...	...	set	1	1	...	...	...	...	...	24	
				ambulance	{ Mk. IV.	"	...	...	...	...	...	...	...	25	
			wagon	ammunition and	" V.*	...	...	...	...	...	...	...	26		
				store, R.A.†	...	"	...	...	...	...	...	...	27		
				G.S.†	...	...	...	...	...	...	...	...	...	28	

† According to mark of vehicle.

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Section No.	Description.	Number									
		Carts.									
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.				
		Marks					Marks		Con- verted water barrel, Marks		
		I.	I* and II.				I* and II.	IIA.	I and II.	III.	
21	1. ACCESSORIES—continued.										
21	Lamps, vehicle, right†	1	1	1	...	...	...	...	...	...	1
21	Poles { bullock draught	...	...	...	...	...	1	1	...	...	2
		...	1	...	1	...	1	1	...	...	3
14	Raves, wagon, A. and S., R.A....	...	...	...	...	...	...	...	...	...	4
21	Sets, drivers, cart, water-tank	...	...	...	...	...	1	...	...	...	5
21	Strut, supporting mule pole ...	...	...	...	...	...	1	1	...	...	6
21	Swingletrees, wheel mule ...	...	...	2	...	2	2	2	...	...	7
21	Tool, inserting, indiarubber tyres	...	...	...	...	...	...	...	...	...	8
21	Trough, water cart	...	...	...	...	1	...	...	...	...	9
14	Washer, drag, 2nd Class C ...	...	...	...	...	1	...	...	...	...	10
	2. SPARE PARTS.										
21	Bands, candle cover, apparatus, filtering ...	...	...	...	...	...	...	12	...	...	11
14	Blocks, brake, field and transport	...	...	...	2	...	...	2	...	...	12
21	Candles, apparatus, filtering	...	...	...	...	...	...	8	...	...	13
21	Caps, protecting couplings, filling pipes, apparatus, filtering	...	...	...	...	...	...	4	...	...	14
21	Collars, { adjusting { 2nd class "C" capped wheels	...	...	...	...	...	...	...	...	...	15
		...	3rd class "B" capped wheels	...	...	...	...	...	...	...	16
		...	cylinder cover bolts, apparatus, filtering	...	...	...	...	2	...	...	17
19	Lashings, white, 1 in., 32 ft.†	...	...	...	...	...	...	...	2	...	18
10	Nuts, { hexagon, 3/4 in.	...	...	...	...	...	...	2	...	...	19
21	Pins, lynch { wing, cylinder, cover bolts, appar- atus, filtering	...	...	...	...	...	...	2	...	...	20
21		...	...	...	...	...	...	...	...	...	21
21		...	...	...	...	...	...	...	...	...	22
14		...	...	...	1	...	...	...	...	...	23
21		...	...	...	...	...	...	...	...	...	24
21	Pins, lynch { 2nd class	...	...	...	...	...	...	...	...	...	25
21		...	...	...	...	...	...	...	...	...	26
21		...	...	...	...	...	...	...	...	...	27

† Will be issued when existing stock of tarred lashing is used up.

per vehicle.																		Remarks.
Wagons.																		
Ambulance.			Ammun't on and Store, R.A.		General Service.													
Marks			Marks		Marks													
IV.	V.*	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VIII.*	VIII.**	IX.	X.	X*.	Limbered, G.S.	
																	Wagon.	
																	Limber.	
																	Printing.	
1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	...	
2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	
4	...	...	...	2	2	2	...	...	...	...	...	...	...	...	...	...	...	
5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	
8	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
12	2	2	...	2	2	2	...	...	...	2	2	2	2	2	2	2	2	
13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
15	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	
16	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	
17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
18	...	...	...	2	2	2	1	1	1	1	1	1	1	1	1	1	...	
19	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
20	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
21	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
22	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	
23	...	...	...	1	1	1	...	...	...	...	...	...	...	...	1	1	...	
24	...	...	...	...	...	...	...	...	...	1	1	1	1	1	...	...	1	
25	...	1	...	1	...	...	...	1	1	1	1	1	1	1	1	1	...	
26	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	
27	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	

Should only be demanded when the local laws or regulations render their use necessary. The brackets being improvised locally, in accordance with § 12,614 List of Changes.

Will be supplied only when bullock draught is to be used.

Will be supplied only when mule draught is to be used.

For baggage and tent wagons.

Will be supplied only when mule draught is to be used.

Will be supplied only when mule draught is to be used.

With 2nd class hind axletree.

1 Should only be demanded when the local laws or regulations render their use necessary. The brackets being improvised locally, in accordance with § 12,614 List of Changes.

2 Will be supplied only when bullock draught is to be used.

3 Will be supplied only when mule draught is to be used.

4 For baggage and tent wagons.

5 } Will be supplied only when mule draught is to be used.

Will be supplied only when mule draught is to be used.

With 2nd class hind axletree.

Section No.	Description.	Number									
		Carts.									
		Forage.		Maltese.	Small Arm Ammunition.	Water barrel.	Water tank.				
		Marks					Marks		Con-verted water barrel, Marks		
		I.	I* and II.				I* and II.	IIA.	I and II.	III.	
2. SPARE PARTS—continued.											
21	Rings { clarifying filters, apparatus, filtering	...	...	...	...	...	2	...	...	...	1
21	sterilizing " " " "	...	...	...	...	...	12	...	...	...	2
21	Swinglootrees, No. 10A or 11 " " " "	...	...	...	...	...	...	...	...	...	3
21	Ties, lynch pin " " " "	...	...	...	...	...	...	...	...	...	4
21	{ candle spindle, apparatus,	...	...	...	...	...	8	...	...	...	5
21	filtering " " " "	...	...	...	...	...	2	...	...	...	6
14	cylinder cover, sterilizing filters,	...	...	...	...	...	...	...	...	...	7
	apparatus, filtering " " " "	...	...	...	1	...	...	...	...	...	8
21	Wash ers, { 2nd class C " " " "	1	1	1	...	1	1	1	1	1	9
21	drag, { 3rd class B " " " "	...	...	...	...	...	...	...	...	...	10
21	wheels " " " "	...	...	...	...	...	...	...	...	...	11
21	3rd class "B" capped	...	...	...	...	...	8	...	...	...	12
21	wheels " " " "	...	...	...	...	...	...	...	...	...	13
21	hose union, apparatus, filtering	...	...	...	...	...	...	...	...	...	14
21	plain " " " "	...	...	...	...	...	...	...	...	...	15
MATERIALS FOR REPAIR.											
8	Twine, packing, middling " " yards	...	...	...	...	...	6	...	...	...	16
3. CART AND WAGON EQUIPMENT.											
2	Axes, { felling, curved, helve " " " "	...	...	1	...	...	...	...	...	...	17
	{ heads, 4½-lb. " " " "	...	...	1	...	...	...	...	...	...	18
13	{ helves, 36-in. ferruled	...	...	1	...	...	...	...	...	...	19
11	Blankets, G.S. " " " "	...	...	...	...	...	...	...	...	...	20
11	Boards, inventory " " " "	1	1	1	1	1	1	1	1	1	21
11	Brushes { washing " " " "	...	...	...	6	...	...	...	...	...	22
2	{ water, carriage " " " "	1	1	1	1	1	1	1	1	1	23
2	Buckets, water, G.S., { canvas	...	...	...	...	...	...	...	...	...	24
8	{ leather " " " "	1	1	1	1	1	1	1	1	1	25
7	Cordage, spun yarn, hemp, tarred, 3-thread	...	...	...	...	...	...	...	...	...	26
7	lbs. " " " "	5	5	5	5	5	5	5	5	5	27
9	Driver, screw, G.S., 6-inch " " " "	...	...	1	...	...	...	...	...	...	28
9	Grease, lubricating " " " "	...	...	3	3	3	3	3	3	3	29
7	Hammers, { claw, 14-oz. " " " "	...	...	...	1	...	...	...	...	...	30
2	{ riveting, 8-oz. " " " "	...	...	...	...	...	...	...	...	...	31
19	Hooks, bill " " " "	...	...	1	...	...	...	...	...	...	32
7	Lashings, { tarred, 1½-inch, 16-feet	...	...	4	...	...	...	...	...	...	33
19	{ white, 1-inch, 30-feet	2	2	2	2	2	2	2	2	2	34
7	Pincers, carpenters " " " "	...	...	1	...	...	...	...	...	...	35
19	Ropes, drag, light, G.S. " " " "	1	1	1	1	...	...	...	...	...	36
2	Shovels, G.S. " " " "	...	...	2	...	...	...	...	...	...	37
21	Spanners { apparatus, filtering	...	...	...	...	1	1	1	1	1	38
7	{ McMahon, 9-inch " " " "	...	...	...	...	1	1	1	1	1	39
2	Tents—Line, 16-thread " " " "	...	...	...	...	...	...	...	...	...	40
	ozs. " " " "	...	...	...	...	...	...	...	...	...	41

per vehicle.		Wagons.																			Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
		Ambulance.		Ammunition and Store, R.A.		General Service.														Limbered, G.S.		Small Arm Am- munition.	Printing.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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		IV.	V*.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	IX.	X.	A*.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

(Referred to in paragraph 322.)

(Articles detailed in this table are not to be demanded unless actually required.)

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Outfits for Mechanical Transport Vehicles—continued.

Description.	Traction engine.		Lorries.				Wagons.	Water carts.	Travelling vans.	Remarks.
	Light.	Medium or heavy.	Steam.	Internal combustion.						
Section No. 9B.										
Bottles, tin, oil :—										
2 gallons	...	1	...	...	...	...	...	...	...	
1 gallon	1	1	1	1	...	...	...	...	...	
2 quarts	1	1	1	1	...	...	...	...	...	
Section No. 10A.										
Locks, pad, iron { 2½-inch	...	1	...	...	...	...	...	...	...	
{ 2 ,, 	1	...	...	1	...	...	...	...	...	
Section No. 10B.										
Covers, sailcloth, { 30 ft. x 30 ft.	...	...	...	...	1	...	...	...	...	* When not fitted with canopy and side curtains.
{ 18 ,, x 12 ,,	1*	1	1	1	...	...	...	...	...	
Section No. 11.										
Lamps, hurricane	1	1	1	...	...	...	...	...	...	
Section No. 12.										
Funnels, tin, 1-pint	...	...	...	1	...	...	...	...	...	
Pails, I.G., 3-galious	1	2	1	1	...	1	...	1	...	
Section No. 19.										
Lashings, tarred, 1½-in., 30 ft.	1	1	1	1	2	...	...	...	...	
Not in Vocabulary.										
Bells	1*	1*	1†	...	...	...	...	...	...	* With 50 feet of cord. † For vehicles running under Light Locomotives Act only.
Belt governors	1	1	...	...	...	...	...	...	...	When engine is fitted with governors.
Books, instruction	1	1	1	1	...	...	...	...	...	Supplied by makers of vehicle.
Brushes, tube	2	2	2	...	...	...	...	...	...	Size of tube to be stated on indents.
Rods for ditto	1	1	1	...	...	...	...	...	...	
Chains, drag	2	2	...	...	...	...	...	...	...	
Horns	1	...	...	1	...	...	...	...	...	For vehicles running under Light Locomotives Act only.
Hose { suction, with couplings, 32 feet ... lengths	1	1	1	...	...	...	...	...	...	{ Dimensions to be stated on indents. * Only required when the water lift of engine is fitted to receive it.
	delivery, with couplings, 15 feet ... lengths	...	1*	...	...	...	...	...	...	

Outfits for Mechanical Transport Vehicles—*continued.*

Description.	Traction engines.		Lorries.		Wagons.	Water carts.	Travelling vans.	Remarks.
	Light.	Medium or heavy.	Steam.	Internal combustion.				
Not in Vocabulary.								
Jacks, lifting, screw:—								
10 tons	...	2	...	...	...	...	...	
5 „	1	...	...	...	...	...	...	
3 „	...	...	1	1	...	...	...	
Pars, tommy	1	1	1	1	...	...	...	
(bull's-eye (special pattern) ...	1	1	1	...	...	...	...	
{ special, with blue glass ...	...	...	...	...	1a	...	...	a When specially authorized. For use when carrying ammunition.
Lamps {								* If necessary.
head	2	2	2	2	...	*2	...	
tail	1	1	1	1	1	1	1	
{ clinker	1	1	1	...	...	...	...	
Rakes { coal	1	1	1	...	...	...	...	
{ mud	1	1	1	...	...	...	...	
Rods, tank	1	1	1	...	...	...	...	
Scotches, { 12-in. x 9-in. x 6-in. ...	2	...	2	2	1	1	...	To be made locally by company artificers.
{ elm 18-in. x 12-in. x 6-in. ...	...	2	...	...	...	...	...	
Scrapers, half-round, 10-inch ..	1	1	1	1	...	...	...	To be made locally by company artificers from worn-out 10-inch half-round files.
Shackles { $\frac{1}{2}$ -inch... ..	...	1	...	...	...	...	...	To be made by company artificers.
{ „ „	1	...	1	...	...	...	...	
Shovels { clinker	1	1	1	...	...	...	...	
{ fire	1	1	1	...	...	...	...	
{ fusible, plug	1	1	...	...	...	...	...	Size to be stated on indents.
Spanners { governor	1	1	...	...	...	...	...	When engine is fitted with governor.
Spanners, tubular:—								
1-inch and $\frac{1}{2}$ -inch	...	...	...	1	...	...	...	
„ „ $\frac{1}{2}$ -in. „	...	...	...	1	...	...	...	
„ „ $\frac{1}{4}$ -in. „	...	...	...	1	...	...	...	
Bars, tommy	...	...	...	1	...	...	...	To be made locally by company artificers.
Spikes, frost, with cotters ...	24	24	...	...	...	...	...	To suit type of engine.
Spuds	12	22	...	...	...	...	...	
Bolts, spud, with cotters ...	24	44	...	...	...	...	...	
Squirts, oil... ..	1	1	1	1	...	...	...	
Superstructure Trucks	...	...	...	...	...	...	...	To be made locally by company artificers.
Tools, caulking, flat	1	1	1	...	...	...	...	

APPENDIX XVI.

(Referred to in paragraph 322.)

Annual allowance of Consumable Material for Mechanical Transport Vehicles.

N.B.—The scale of materials shown below should be regarded as the maximum quantity that will be issued. Demands should only be made for actual requirements (see paragraph 88).

Description.	Steam traction engine.		Internal combustion traction engine.		Steam lorry.	Internal combustion lorry.	Motor car.	Mechanical transport wagon.
	Large	Small	Large	Small				
Section No. 3.								
Wire, ordinary, copper* ... ozs.	1	1	1	—	1	—	—	—
Section No. 8A.								
Asbestos	fibre ... lbs.	1	1	—	1	—	—	—
	millboard (3-inch thick) ...	7	7	—	3	—	—	—
	packing, round ...	10	10	—	10	—	—	—
	and india rubber sheeting, wire woven, 3/4-in. ...	7	7	—	3	—	—	—
	yarn thread ...	2	2	—	2	—	2	—
tape wire woven ... feet	—	—	—	—	100	—	—	—
Cordage,	spun, yarn ... lbs.	6	6	6	6	6	—	—
	hempt, white ...	4	4	—	4	—	—	—
Glasses, gauge	boiler (Klinger) ...	1	1	—	1	—	—	—
	„ (ordinary) ...	12	12	—	12	—	—	—
	enamelled tank ...	—	—	4	4	4	4	—
Indiarubber, vulcanized, insertion sheet, wire ... lbs.	8	8	—	—	—	—	—	—
Section No. 3A.								
Rings	indiarubber, for gauge glasses ...	24	24	—	32	—	—	—
	asbestos { manhole ...	6	6	—	—	—	—	—
	„ { mudhole ...	12	12	—	—	—	—	—
Section No. 9A.								
Blacklead, dry ... lbs.	10	10	5	—	10	—	5	—
Bricks, bath ...	6	6	6	6	6	6	—	—
Chalk, French ... lbs.	—	—	—	—	—	—	5	—
Cloth, emery, No. 1 ... sheets	52	52	52	26	26	26	—	—
Grease, lubricating† ... lbs.	—	—	—	56	56	53	56	21
Methylated spirits§	black or white ... lbs.	1	1	1	1	1	1½	1
	lead, red ...	10	5	—	5	—	—	—
	„ white ...	10	5	—	5	—	—	—
	service colour ...	20	15	15	10	15	15	—	10

* Particulars to be stated in demands.

† Size to be stated in demands.

‡ Saurer's lubricant may be issued in lieu for vehicles fitted with suitable lubricators.

§ For use with small vulcanizer.

(EQ. R. 2220)

**Annual allowance of Consumable Material for Mechanical
Transport Vehicles—continued.**

57 Gen. No. 8305	Description.	Steam traction engine.		Internal combustion traction engine.		Steam lorry.	Internal combustion lorry.	Motor car.	Mechanical transport wagon.
		Large	Small	Large	Small				
	<i>Section No. 9A.</i>								
	Oil { castor... .. gals.	—	—	—	—	—	1*	1	—
	compound, engine ... "	40	40	—	—	—	—	—	—
	cylinder, mineral, liquid ... "	84	84	—	—	84	—	—	12†
	linseed, boiled ... "	1	1	1	1	1	1	—	—
	lubricating, for cylinder of oil engines ... "	—	—	100	80	—	80	80	—
	Rangoon	60	60	—	—	20	—	—	—
	Powder, emery, flour ... lbs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	—
	Soap, soft	6	6	6	6	6	6	6	—
	Soda, crystals	28	28	—	—	28	—	—	—
	Tallow, Russian	56	56	56	14	28	14	14	—
	Turpentine, spirits of ... gals.	2	2	2	2	2	2	—	1
	<i>Section No. 11.</i>								
	Brushes, water, carriage ...	2	2	2	2	2	2	3	—
	sponges, bath	—	—	—	—	—	—	6	—
	<i>Section No. 13C.</i>								
	Cotton, waste, coloured ... cwt.	3	2	3	2	2	1	1½	—
	Cloths, sponge	48	48	48	48	48	48	48	—
	Leather, chamois	—	—	—	—	—	—	4	—
	Worsted, blue grey ... ozs.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	—	$\frac{1}{2}$	—	—	—
	<i>Not in Vocabulary.</i>								
	Graphite, flaked lbs.	—	—	—	5	—	5	—	3
	Joints, exhaust pipe, copper and asbestos	—	—	—	—	—	—	24	—
	Klingerite lbs.	—	—	—	—	—	—	3	—
	Linen, or cotton, old ... "	3	3	3	3	3	3	3	—
	Polish, metal, 4-oz. tins... ..	—	—	—	—	—	—	12	—
	Tape, insulation lbs.	—	—	—	—	—	—	1	—

* If lorry is fitted with leather clutch.

† In lieu of 9 lbs. of lubricating grease if required.

APPENDIX XVII.

(Referred to in Section XVI, Sub-section B.)

INSTRUCTIONS FOR MARKING VEHICLES.

1. These instructions are issued with the object that when required for use on mobilization, every vehicle shall be marked so as to show the title of the unit to which it belongs and the formation to which the unit is allotted.

2. These marks, called "corps marks," are to be on the same system for all vehicles, and for all branches of the service.

The position of the marks will be as follows:—

Gun carriages and vehicles, with limbers		{ centre of back of ammunition boxes. { back of "off" limber box for B.L. 60-pr. { Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), off side of iron cover.	
Carriages machine gun,	{ infantry,	{ Maxim, Mark I, 303-inch guns, front plate. { Maxim, Mark II, 303-inch guns, back of lockers and front plate.	
		{ cavalry or mounted infantry,	{ Nordenfelt, 3 barrel (Mark I), (also Gardner, 2 barrel), { Maxim, Mark I, 303-inch guns,
	{ off side of framework carrying ammunition.		

Wagons, air line, and carts, cable, on "off" side of front box.

Carts, water tank, on rear end of tank.

Other vehicles { on body of vehicles, on *off side*, as far to the front as possible, and low enough to be clear of tarpaulin or other cover.

3. In addition to the above-named "corps marks," there are a number of details, chiefly for regimental convenience, marked on certain vehicles, such as the nature of gun, number or letter of subsection, number of wagon, &c. These details are not to be mixed up with the corps marks, and will be placed as in Table III. The general principles indicated in that table should be followed in marking any vehicles for which specific details are not given.

4. The details of the marking are given in the following paragraphs, and all vehicles detailed for use with medical units, such as bearer companies and field hospitals, will be marked with the Geneva cross, in addition to corps marks, &c.

5. Drawings to illustrate the method of marking, and the typical position of the marks, will be issued, on demand, to chief ordnance officers, who will arrange for necessary promulgation to the troops requiring them. These drawings are only issued as guides and where they differ from equipment regulations the latter must be followed. The marking of vehicles will be performed by hand-painting, by battery and regimental artificers. In the absence of artificers trained to hand-painting, vehicles will be marked by the Army Ordnance Department. All marking, except the Geneva cross, which will be in red on white ground, will be for vehicles painted lead colour in white paint, and for those painted service colour in black paint, in letters and numerals, as laid down in Table IV.

6. "Corps marks" generally require two lines:—

First line.—Title of unit, *e.g.*, 2 Leins. R.

Second line.—Formation to which unit is allotted, *e.g.*, 3 Inf. Bde.

Table I shows the abbreviations to be used for titles of units.

Table II gives examples of first and second lines, and shows the special methods of marking vehicles in ammunition columns, supply columns, and field ambulances.

7. Vehicles in charge of units and forming part either of their peace or mobilization equipment; and vehicles kept by the Army Ordnance Department in mobilization storehouses to complete the equipment on mobilization of units which exist in peace, or for the equipment of units which are to be formed on mobilization will be marked in full.

Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station will be at once carried out.

Vehicles of units not allotted to the Field Army and machine gun carriages held by units of the Territorial Force will be marked with 1st line marking only.

8. Vehicles which are on charge of various corps for local purposes will be marked to show the purpose to which they are locally appropriated.

TABLE I.

SHOWING the abbreviations to be used in the first line of the marking, which shows the title of the unit.

Unit.	Abbreviations.
Household Cavalry (composite) Regiment ..	Hld. Cav. Rgt.
Depôt, Royal Horse Artillery	Dep. R.H.A.
R Battery, Royal Horse Artillery	R. R.H.A.
Depôt, Royal Field Artillery	Dep. R.F.A.
5th Battery, Royal Field Artillery	5. R.F.A.
Mounted Brigade Ammunition Column ..	Mtd. Bde. A.C.

TABLE I—*continued.* Abbreviations of marking.

Unit.	Abbreviations.
II nd Brigade Royal Horse Artillery Ammunition Column	II. Bde. R.H.A. A.C. | A.O. 114 1907
IV th Brigade Royal Field Artillery Ammunition Column	IV. Bde. R.F.A. A.C.
Divisional Ammunition Column (2 nd Section)	Div. A.C. 2.
Field Depôt, Royal Engineers	Fd. Dep. R.E. | A.O. 114 1907
No. 12 Field Company, Royal Engineers ..	12 Fd. Co. R.E.
Dragoon Guards (<i>e.g.</i> 3 rd)	3 D.G.
Dragoons (<i>e.g.</i> 6 th)	6 Dns.
Hussars (<i>e.g.</i> 20 th)	20 Hrs.
Lancers (<i>e.g.</i> 5 th)	5 Lrs.
(1 st Battalion) Grenadier Guards	1 G. Gds.
(2 nd „) Coldstream Guards	2 C. Gds.
(1 st „) Scots Guards	1 S. Gds.
(1 st „) Irish Guards	1 I. Gds.
Infantry Battalions	Abbreviations to be in accordance with the abbreviated regimental titles, as laid down in the official Army List.

In the case of units not mentioned in this Table, the abbreviations are sufficiently explained in Table II.

TABLE II.

EXAMPLES of the first and second lines of the marking alluded to in paragraph 6 of this Appendix.

Unit.	Examples of marking.
Head Quarters of an Army	Hd. Qrs. Army | A.O. 114 1907
Head Quarters of a Cavalry Division ..	Hd. Qrs. Cav. Div.
Head Quarters of Cavalry Divisional Artillery	Hd. Qrs. Cav. Div. Art.
Head Quarters of Cavalry Divisional Engineers	Hd. Qrs. Cav. Div. Eng.
Head Quarters of a Division.. ..	Hd. Qrs. * Div.

* Letter or number of unit or number of formation.

TABLE II—*continued.* Examples of marking.

Unit.	Examples of marking.
Head Quarters of Divisional Artillery ..	Hd. Qrs. Art. * Div.
Head Quarters of Divisional Engineers ..	Hd. Qrs. Eng. * Div.
Head Quarters of a Divisional Ammunition Column	Hd. Qrs. Div. A.C. * Div.
Head Quarters of an Infantry Brigade ..	Hd. Qrs. * Inf. Bde.
Head Quarters of a Cavalry Brigade ..	Hd. Qrs. * Cav. Bde.
Head Quarters of a Royal Horse Artillery Brigade	* Bde. Hd. Qrs. R.H.A. Cav. Div. Art.
Head Quarters of a Royal Field Artillery Brigade	* Bde. Hd. Qrs. R.F.A. * Div.
Head Quarters of a Mounted Brigade ..	Hd. Qrs. Mtd. Bde. * Mtd. Bde.
Cavalry Regiment (with Cavalry brigade) ..	† * Cav. Bde.
Cavalry Regiment (with mounted brigade) ..	† * Mtd. Bde.
Battery of Royal Horse Artillery (with Cavalry division)	* R.H.A. Cav. Div.
Battery of Royal Horse Artillery (with mounted brigade)	* R.H.A. * Mtd. Bde.
Battery of Royal Field Artillery	* R.F.A. * Div.
Battery of Heavy Artillery	* R.G.A. * Div.
Heavy Artillery Ammunition Column ..	Hvy. Art. A.C. * Div.
Divisional Ammunition Column (2nd Section)	Div. A.C. 2 * Div.
Ammunition Column with mounted brigade	Mtd. Bde. A.C. * Mtd. Bde.
Air Line Telegraph Company	* Air Line Tel. Co. Army Tps.
Balloon Company	* Balln. Co. Army Tps.
Bridging Train.. ..	* Brg. Trn. Army Tps.
Cable Telegraph Company	* Cbl. Tel. Co. Army Tps.
Divisional Telegraph Company	* Tel. Co. * Div.
Field Company	* Fd. Co. * Div.
Field Troop	* Fd. Trp. Cav. Div.

* Letter or number of unit, or number of formation.

† Designation of regiment.

TABLE II—*continued*. Examples of marking.

Unit.	Examples of marking.
Wireless Telegraph Company	* Wless. Tel. Co. Army Tps.
Mounted Infantry Battalion	* Mtd. Inf. * Mtd. Bde.
Infantry Battalion (<i>e.g.</i> , 1st Manchester Regiment with Army Troops)	I. Manch. R. Army Tps.
Infantry Battalion (<i>e.g.</i> , 2nd Royal Highlanders with Infantry Brigade)	2 R. Highrs. * Inf. Bde.
Infantry Battalion (<i>e.g.</i> , 2nd Royal Highlanders on Lines of Communication)	2 R. Highrs. L. of C.
Bakery Detachment with Divisional Transport and Supply Park	Bakery Det. * Div.
Company Army Service Corps (with Army Troops)	* Co. A.S.C. A.T., T. and S. Col.
Company Army Service Corps (with a division)	* Co. A.S.C. * Div. T. and S. Col.
Company Army Service Corps (with mounted brigade)	* Co. A.S.C. * Mtd. Bde. T. and S. Col.
Company Army Service Corps (with Cavalry division)	* Co. A.S.C. Cav. Div. T. and S. Col.
Cavalry Field Ambulance (with Cavalry division)	No. * Cav. Fd. Amb. Cav. Div.
Cavalry Field Ambulance (with mounted brigade)	No. * Cav. Fd. Amb. * Mtd. Bde.
Field Ambulance (with a division)	No. * Fd. Amb. * Div.
Field Ambulance (with Army Troops) ..	No. * Fd. Amb. Army Tps.
Squadron of Yeomanry (with a division) ..	* Sqdn. I.Y. * Div.
Squadron of Yeomanry (with Army Troops)	* Sqdn. I.Y. Army Tps.

* Letter or number of unit, or number of formation.

TABLE III.

DETAILED Marks, on various vehicles, which are to be in addition to the Corps Marks shown in Table II.

ROYAL HORSE AND ROYAL FIELD ARTILLERY.

Description of vehicle.	Nature and position of marks.	Examples.	
Q.F. gun carriages ...	Nature of gun and letter of subsection on trail, near side.	13-pr. Q.F.—D. U—R.H.A.	A.O. 114 1907
	Title of battery on trail, off side ...	110—R.F.A.	
Q.F. 13-pr. and 18-pr. gun limbers and ammunition wagons. }	Nature of gun on lid of ammunition box, right bottom corner in rear.	13-pr. Q.F.	

TABLE III—*continued.* Detailed Marks in addition to Corps Marks.ROYAL HORSE AND FIELD ARTILLERY—*continued.*

Description of vehicle.	Nature and position of marks.	Examples.
Howitzer carriages ...	Nature of howitzer and letter of sub-section on trail, near side.	5-in. B.L.Hr.—D.
„ limbers ...	Nature of howitzer and letter of sub-section on rear of axletree.	5-in. B.L.Hr.—D.
Ammunition boxes ...	<i>Of Limbers and Wagons.</i> —Letter of sub-section, in the left top corner of each box in rear.	
G.S. or ... Ammunition and store wagons. }	Title of battery on rim of foot-board, wagon number low down on tail-board.	89—R.F.A. (rim of footboard). 2 (tail-board).

AMMUNITION COLUMNS.

A.O. 114 1907	Q.F. 13-pr. and 18-pr. gun limbers and ammunition wagons.	Nature of gun on lid of ammunition box, right bottom corner in rear.	13-pr. Q.F.
	Ammunition boxes ...	No. of sub-section in the left top corner of each box in rear.	
	G.S. or ammunition and store wagons, R.A.	Title of unit on rim of footboard, number of wagon low down on tailboard.	3 Bde. R.F.A. A.C. (rim of footboard). 6.—(tailboard).
	Carts, S.A.A ...	Title of unit on near side at front, and number of cart on rear.	2 Bde. R.H.A. A.C. (front). 3—(rear).
	Maltese carts ...	Title of unit on centre of front ...	1 Div. A.C. Hd. Qrs. (front).

SIEGE ARTILLERY.

Gun or howitzer carriages.	The words "Siege Art." the nature of the piece, and its number on near side of trail or bracket	Siege Art., 6-in B.L. Hr.—4.
Limbers and boxes ...	*Title of unit on off side of trail ... The words "Siege Art.," the nature of the piece, on rear of bed. Nature of gun or howitzer on left rear of boxes, close to top.	9 45-in. B.L. Hr.—2. 107 R.G.A. Siege Art.
Platforms ...	*Title of unit on left rear of each box, close to top.	6-in B.L. 107 R.G.A.
G.S. or ... Ammunition and store wagons. }	The words "Siege Art." on end of platform when packed. *Title of unit on end of platform when packed.	Siege Art. 107 R.G.A.
	†The title of unit and the number of the wagon low down on the tail-board.	Siege Art. 107 R.G.A. 2.
Guns ...	The words "Siege Art." on the middle part of prypole.	Siege Art.

* For guns, carriages, &c., in possession of companies only.

† Title to be marked on wagons in possession of companies only.

Table III—*continued.* Detailed Marks in addition to Corps Marks.

Description of vehicle.	Nature and position of marks.	Examples.
MOVABLE ARMAMENT.		
Gun carriages	Nature of gun or howitzer on near side of trail.	4·7-in. Q.F. 6-in. B.L. Hr.
Ammunition boxes	Of limbers and wagons. On centre of back.	"Movable Arma- ment."
HEAVY ARTILLERY (R.G.A.).		
Gun carriages	Nature of gun and letter of subsection on trail, near side.	60-pr. B.L.—D.
Limbers, carriage	Title of company on trail, off side ... Nature of gun and letter of sub-section— On rear of plate securing off limber box.	31 R.G.A. 60 pr. B.L.—D.
Limbers, ammunition wagon.	Letter of sub-section in left top corner of near limber box in rear. Nature of gun and letter of sub-section— On box under, rear of axletree, off side.	D. (60-pr. B.L.). 60-pr. B.L.—D.
Ammunition wagons	Letter of sub-section in left top corner of ammunition box. Nature of gun and letter of sub-section— On brake bar, rear of axletree, off side.	D. 60-pr. B.L.—D.
G.S. or Ammunition and store wagons.	Letter of sub-section in left top corner of ammunition box. Title of company on rim of footboard Wagon number low down on tail-board	D. 31 R.G.A. 2.
HEAVY ARTILLERY (R.G.A.) AMMUNITION COLUMN.		
G.S. or Ammunition and store wagons.	Title of unit on rim of foot-board ... Number of wagon low down on tail-board.	Hvy. Art.—Bde. A.C. ... 2.

A.O. 295
1906A.O. 194
1907

TABLE IV.

SHOWING nature and size of letters and numerals to be used.

Marking.	Nature of letter or numeral.	Size.
Number of Division	Roman numerals	inches. 1½
Other numbers	Gothic numerals	1½
Initial letter of each word	Roman capital	1½
Other letters in each word... ..	Roman capitals or small Roman letters	1½
All letters in abbreviations...		

54
Gen. No.
199

APPENDIX XVIII.

(Referred to in paragraphs 366, 367.)

TABLES SHOWING THE MATERIAL, TIME, AND WORKING PAY, ALLOWED FOR PAINTING MISCELLANEOUS CARTS, WAGONS, &c.

N.B.—For Carts, Wagons, &c., special to the Royal Artillery, see Artillery Details, Part 2. The quantities of paint allowed as under for painting carts and wagons of A.S.C. Companies and the regimental transport of Foot Guards stationed in London may be drawn half-yearly.

TABLE I.

Quantity of Material for repairing bare places and painting one coat, for the following Carts, Wagons, &c.

Description.	Paint Prepared.		Putty.	Remarks.	
	Lead Colour.	Service Colour.			
Section No. 2A.					
Mauls, G.S.*	—	1 0	—	* For heads only, per dozen, one coat.	
Posts, picket, 2½ ft.† ... (per doz.)	—	1 2	—		
Section No. 2B.					
Barrows, hand {	double	—	1 0	0 2	† Posts treated with "jodelite" will not require painting.
	single	—	0 12	0 2	
	with legs	—	1 0	0 2	
Section No. 11.					
Barrows, stable... ..	—	1 8	0 4		
Section No. 14A.					
Wagons, artillery	—	15 0	2 0		
Section No. 16B.					
Carriages. M.G.—					
Maxim, '303-inch—					
Cavalry {	Marks I to II	—	6 0	0 8	} Sufficient also for the gun.
	„ III and III special	—	6 0	0 8	
Infantry {	Marks I to I*... ..	—	4 0	0 4	
	„ II to III	—	5 0	0 4	
Nordenfelt, 3-barrel also {	Cavalry	—	6 4	0 8	
Gardner, 2-barrel ... } Infantry	—	—	6 0	0 6	
Carriages, field or tripod, M.G.					
Maxim, '303-inch—					
Patterns {	1 and 1*... ..	—	2 0	0 4	} Sufficient also for the gun.
	2	—	2 0	0 4	
	3	—	2 0	0 4	
Limbers—					
Carriage or tripod, M.G. Maxim, '303-inch—					
Patterns {	1	—	3 0	0 6	
	2	—	3 0	0 6	
	2*	—	3 0	0 6	
	2**	—	3 0	0 6	
M.G. Cavalry Maxim, '303-inch	—	6 0	0 6		

TABLE 1—continued.—Material for Painting Carts, Wagons, &c.

Description.	Paint Prepared.		Putty.	Remarks.
	Lead Colour.	Service Colour.		
Section No. 20B.				
	lb. oz.	lb. oz.	lb. oz.	
Carts { sling	—	9 8	1 2	
{ trench	—	4 0	0 12	
Jacks, lifting, G.S.	—	0 4	—	
Wagons, sling { 12 tons	—	10 0†	2 8	† Also 4 lb. of black paint for iron framework.
{ (with limber) { 7 „	—	6 0‡	1 0	‡ Also 3 lb. of black paint for iron framework.
{ 6 „	—	15 0	2 8	
Section No. 21A.				
	lb. oz.	lb. oz.	lb. oz.	
ambulance, G.S.	8 8	—	1 0	
brake	—	8 0	1 0	
cable	—	9 8§	0 12	§ Also 2 oz. of white and 2 oz. of red for colouring leads.
chaise	—	8 0	1 0	
coal	—	12 4	1 4	
forage	—	9 8	1 2	
forge	—	9 8	1 2	
Gibraltar { large	—	10 8	1 4	
{ small	—	9 0	1 0	
{ Mark II... ..	—	8 8	1 0	
hand, common { Mark I	—	5 0	0 12	
{ „ II... ..	—	5 0	0 12	
Maltese	—	6 0	0 12	
shot	—	10 8	1 4	
small-arm, ammunition	—	9 8	1 0	
tip { general service	—	9 8	1 0	
{ R.E.	—	9 8	1 0	
Carts { tool, R.E. { Mark I	—	8 8	1 0	
{ „ II... ..	—	8 8	1 0	
{ water barrel	—	9 0	1 0	
{ water, tank, Marks I* and II—				
{ cart without tank	—	5 0	0 8	
{ tank	—	1 0	—	
{ water, tank, Mark II—				
{ cart, without tank	—	5 0	0 8	
{ tank, with filtering apparatus	—	1 8	—	
{ water, tank, converted water barrel—				
{ cart, without tank	—	5 0	0 8	
{ tank	—	1 0	—	
{ watering, converted water tank—				
{ cart, without tank	—	5 0	0 8	
{ tank	—	1 0	—	
{ watering { barrel	—	9 8	1 2	
{ box	—	14 0	1 8	{ Only allowed for casks stored separately. The quantities allowed for carts, water, are sufficient for both cart and barrel.
Casks, water, 108 gallons	—	1 8	0 8	
Poles { bullock, draught	—	1 0	0 2	
{ mule, draught	—	1 0	0 2	
Seat, drivers, cart, water tank	—	1 8	0 4	
Strut, supporting mule pole, cart				
{ water tank	—	0 8	0 2	†† Also 1 lb. of white and 4 oz. of bright red paint for Maltese crosses, and an additional 5 lb. of white paint for roof of Mark VI wagon.
{ air line... ..	—	14 0	2 0	
{ ambulance { Marks III and IV††	13 0	—	2 0	
{ Mark V*††	14 0	—	2 0	
{ „ VI††	14 0	—	2 0	
{ light††	10 0	—	1 8	
{ bakery	—	22 8	2 12	
{ boat, Mark I	—	12 0	2 0	

† Carts used in medical service will be painted lead colour.

TABLE 1—continued.—Materials for Painting Carts, Wagons, &c.

Description.		Paint Prepared.		Putty.	Remarks.	
		Lead Colour.	Service Colour.			
Section No. 21A—continued.		lb. oz.	lb. oz.	lb. oz.		
Wagons	brake	—	15 0	2 0		
	bread and meat	—	22 8	2 12		
	cable { body	—	5 0	1 0		
	limber	—	5 0	1 0		
	G.S. { Marks II, III and IV	—	16 0	2 0		
		" V to X*	—	15 0	2 0	
		converted, pharmacy	—	13 0	1 0	
	" surgery spring	—	16 0	2 0		
	heavy spring	—	16 0	2 0		
	R.E.	—	16 0	2 0		
	heavy, spring	—	16 0	2 0		
	light, spring, R.E.	—	12 0	1 8		
	limbered, G.S. { fore	—	5 0	0 13		
	hind	—	5 0	0 12		
	pontoon	—	12 0	2 0		
reservoir, gas	—	12 0	1 0			
siege, equirotal	—	16 0	2 8			
small-arm ammunition (with limber)	—	13 0	2 0			
spring, field troop, R.E., Mark I	—	12 0	1 8			
timber, R.E.	—	6 0	1 0			
Wheels	{ 2nd class C No. 200	—	1 0	0 3		
	{ 3rd „ B „ 159	—	0 12	0 2		
Section No. 29E.						
Pontoons, bipartite	—	16 8	2 0			
Section No. 29F.						
Trucks, miners	—	0 12	0 2			
Composition for Canvas.						
		Red.	Service Colour.	White.		
		lb. oz.	lb. oz.	lb. oz.		
Section No. 5B.						
Packsaddlery, G.S., covers, 6 ft. x 6 ft., G.S.	—	3 0	—			
Section No. 12.						
Covers	{ fire escape	20 0	—	—		
	{ hose reel	4 0	—	—		
Section No. 14A.						
Covers, wagon, artillery	—	12 12	—			
Section No. 21A.						
Covers, cart	{ forage	—	6 0	—		
	{ forge, Mark II	—	6 0	—		
	{ Maltese	—	8 0	—		
	{ tip	—	5 0	—		
	{ tool, R.E., Mark I	—	3 12	—		
Covers, wagon, G.S.	{ adjustable	—	16 0	—		
	{ converted surgery, spring	—	12 0	—		
	{ Mark III	—	11 4	—		
	{ Mark IV§	—	13 0	—		
	{ Marks V and VI	—	12 0	—		
Wagons,	{ Mark VII to VIII**	—	13 0	—		
	{ ambulance, Mark VI—hoods and curtains	—	—	5 0		
					§ Also G.S. heavy spring, A. & S., R.A., for special loads, and G.S., R.E. wagon.	

§ Also G.S. heavy spring, A. & S., R.A., for special loads, and G.S., R.E. wagon.

N.B.—Paint, black 4 ozs. }
 Varnish, japan black 1½ pints } For every 12 camp kettles.
 Covers made of waterproof material will not be painted.

TABLE 2.

Time and Working Pay allowed for Scraping, Cleaning, and Painting the following Carts, Wagons, &c.

Description.	Scraping and cleaning.		Stopping, painting bare places and one coat.	
	Time.	Amount.	Time.	Amount.
<i>Section No. 2A.</i>	H. M.	s. d.	H. M.	s. d.
Mauls, G.S. (for heads only, per dozen, one coat) ...	—	—	1 45	0 2½
Posts, picket, 2½ ft. (per dozen) ...	1 0	0 1	1 0	0 1½
<i>Section No. 2B.</i>				
Barrows, hand { double ...	1 0	0 1	1 0	0 1½
{ single ...	0 45	0 0½	0 45	0 1½
{ with legs ...	1 0	0 1	1 0	0 1½
<i>Section No. 5B.</i>				
Packsaddlery, G.S., covers, 6 ft. × 6 ft., G.S. ...	—	—	1 0	0 1½
<i>Section No. 11.</i>				
Barrows, stable ...	1 0	0 1	1 30	0 2½
<i>Section No. 14A.</i>				
Covers, wagon, artillery ...	—	—	4 0	0 6
Wagons, artillery ...	6 0	0 6	16 0	2 0
<i>Section No. 16B.</i>				
† Carriages, M.G.—				
Maxim .303-inch—				
Cavalry { Marks I to II ...	4 0	0 4	5 0	0 7½
{ " III and III special ...	4 0	0 4	5 0	0 7½
Infantry { Marks I to I** ...	3 0	0 3	4 30	0 6½
{ " II to III ...	3 30	0 3½	4 30	0 6½
Nordenfelt, 3-barrel; also { Cavalry ...	4 0	0 4	5 30	0 8½
Gardner, 2-barrel { Infantry ...	4 0	0 4	5 30	0 8½
Field or tripod, M.G. Maxim, .303-inch—				
Patterns { 1 and 1* ...	1 0	0 1	2 0	0 3
{ 2 ...				
{ 3 ...				
Limbers—				
Carriage, field or tripod, M.G. Maxim, .303-inch—				
Patterns { 1 ...	2 0	0 2	3 0	0 4½
{ 2* ...				
{ 2** ...				
M.G. Cavalry, Maxim, .303-inch ...	4 0	0 4	5 0	0 7½

† Including painting of gun.

TABLE 2—continued.—Time and Working Pay Allowed for Painting
Carts, Wagons, &c.

Description.				Scraping and cleaning.		Stopping, painting bare places and one coat.	
				Time.	Amount.	Time.	Amount.
Section No. 20B.				H. M.	s. d.	H. M.	s. d.
Carts	{ sling	...	...	5 0	0 5	6 0	0 9
	{ trench	...	...	3 0	0 3	4 30	0 6½
Jacks, lifting, G.S.				0 30	0 0½	0 30	0 0½
Wagons, sling	{ 12 tons	...	...	10 0	0 10	14 0	1 9
	{ 7 "	...	...	8 0	0 8	12 0	1 6
	{ 6 "	...	...	8 0	0 8	12 0	1 6
(with limber)							
Section No. 21A.							
Carts	{ ambulance, G.S.	...	...	4 0	0 4	8 0	1 0
	{ brake	...	...	4 0	0 4	8 0	1 0
	{ cable	...	...	6 0	0 6	10 30	1 3½
	{ chaise	...	...	4 0	0 4	8 0	1 0
	{ coal	...	...	5 0	0 5	9 30	1 2½
	{ forage	...	...	4 0	0 4	8 30	1 0½
	{ forge	...	...	4 0	0 4	8 0	1 0
	{ Gibraltar { large	...	...	4 0	0 4	8 30	1 0½
		{ small	...	4 0	0 4	7 30	0 11½
		{ Mark II	...	3 30	0 3½	7 0	0 10½
	{ hand, common { Mark I	...	...	2 0	0 2	4 30	0 6½
		{ " II	...	2 0	0 2	4 30	0 6½
	{ Maltese	...	...	2 0	0 2	4 30	0 6½
	{ shot	...	...	4 0	0 4	8 30	1 0½
	{ small-arm ammunition	...	...	4 0	0 4	8 30	1 0½
	{ tip { general service	...	...	4 0	0 4	8 30	1 0½
		{ R.E.	...	4 0	0 4	8 30	1 0½
	{ tool, R.E. { Mark I	...	...	5 0	0 5	9 30	1 2½
		{ " II	...	5 0	0 5	9 30	1 2½
	{ water barrel	...	...	3 0	0 3	6 30	0 9½
	{ water, tank, Marks I* and II—	...	...				
	{ cart, without tank	...	...	2 0	0 2	4 30	0 6½
	{ tank	...	...	0 30	0 0½	1 0	0 1½
	{ water, tank, Mark IIA—	...	...				
	{ cart, without tank	...	...	2 0	0 2	4 30	0 6½
	{ tank, with filtering apparatus	...	...	1 0	0 1	1 30	0 2½
	{ water, tank, converted water	...	...				
	{ barrel—	...	...				
	{ cart, without tank	...	...	2 0	0 2	4 30	0 6½
	{ tank	...	...	0 30	0 0½	1 0	0 1½
	{ watering, converted water	...	...				
	{ tank—	...	...				
	{ cart, without tank	...	...	2 0	0 2	4 30	0 6½
	{ tank	...	...	0 30	0 0½	1 0	0 1½
	{ watering { barrel	...	...	3 0	0 3	6 30	0 9½
		{ box	...	6 30	0 6½	11 0	1 4½
Casks, water, 108 gallons†				1 0	0 1	2 0	0 3
Covers,	{ forge, Mark II	...	...	—	—	2 0	0 3
	{ Maltese	...	...	—	—	2 45	0 4½
	{ tip { general service	...	...	—	—	1 40	0 2½
		{ R.E.	...	—	—	2 30	0 3½
cart { tool, Mark I, R.E.				—	—	1 15	0 1½

† Only allowed where casks are stored separately.

TABLE 2—continued.—Time and Working Pay Allowed for Painting
Carts, Wagons, &c.

Description.		Scraping and cleaning.		Stopping, painting bare places and one coat.	
		Time.	Amount.	Time.	Amount.
Section No. 21A.		H. M.	s. d.	H. M.	s. d.
Covers, wagon, G.S.	{ converted, surgery spring ...	—	—	4 15	0 6 $\frac{1}{2}$
	Mark III	—	—	3 45	0 5 $\frac{1}{2}$
	Mark IV, G.S. heavy spring; and A. and S., R.A., for special loads; and also G.S.	—	—	—	—
	R.E. wagon	—	—	4 20	0 6 $\frac{1}{2}$
	Mark V	—	—	4 10	0 6 $\frac{1}{2}$
Poles	" VI	—	—	3 25	0 5 $\frac{1}{2}$
	" VII to VIII**	—	—	5 20	0 8
Seal, drivers, cart, water tank	{ bullock, draught	0 10	0 0 $\frac{1}{2}$	0 30	0 0 $\frac{1}{2}$
	mule, draught	0 10	0 0 $\frac{1}{2}$	0 30	0 0 $\frac{1}{2}$
Strut, supporting, mule pole, cart, water tank		0 15	0 0 $\frac{1}{2}$	1 10	0 1 $\frac{1}{2}$
Wagons	{ air line	0 10	0 0 $\frac{1}{2}$	0 20	0 0 $\frac{1}{2}$
	ambulance { Marks III and IV	6 0	0 6	14 0	1 9
	" Mark V*	7 0	0 7	17 0	2 1 $\frac{1}{2}$
	" VI	8 0	0 8	18 0	2 3
	bakery	10 0	0 10	24 0	3 0
	boat, Mark I	8 0	0 8	14 30	1 5 $\frac{1}{2}$
	brake	8 0	0 8	18 0	2 3
	bread and meat	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	cable { body	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	" limber	5 0	0 5	9 30	1 2 $\frac{1}{2}$
	" { Marks II, III and IV	5 0	0 5	15 0	1 10 $\frac{1}{2}$
	" V to X*	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	G.S. { converted, pharmacy	5 0	0 5	14 0	1 9
	" converted, surgery, spring	7 0	0 7	16 0	2 0
	" heavy, spring	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	" R.E.	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	heavy spring	6 0	0 6	15 0	1 10 $\frac{1}{2}$
	light spring, R.E.	4 30	0 4 $\frac{1}{2}$	12 0	1 6
	limbered, G.S. { fore	3 0	0 3	6 0	0 8
	" hind	3 0	0 3	6 0	0 9
Wheels	{ pontoon	4 30	0 4 $\frac{1}{2}$	10 0	1 3
	reservoir gas	6 0	0 6	14 30	1 9 $\frac{1}{2}$
	siege, equitotal	7 0	0 7	16 0	2 0
	small-arm ammunition (with limber)	5 0	0 5	12 0	1 6
	spring, field troop, R.E., Mark I	4 30	0 4 $\frac{1}{2}$	12 0	1 6
	timber, R.E.	4 0	0 4	8 0	1 0
	2nd Class C, No. 200	0 40	0 0 $\frac{1}{2}$	1 0	0 1 $\frac{1}{2}$
3rd Class B, No. 159		0 30	0 0 $\frac{1}{2}$	0 40	0 1
Section No. 29E.					
Pontoons, bipartite		5 0	0 5	10 0	1 3
Section No. 29F.					
Trucks, miners		0 15	0 0 $\frac{1}{2}$	0 45	0 1 $\frac{1}{2}$

TABLE 3.

Quantity of Paint allowed for Marking.

Nature of marking.		No. of letters, &c.	Quantity of paint.*	Remarks.
Letters or figures	writing	$1\frac{1}{4}$ -in. type	200	1 pint of turpentine per lb. of paint will be allowed for marking purposes
		$1\frac{1}{8}$ " "	200	
		1 " "	200	
		$\frac{7}{8}$ " "	200	
		$\frac{3}{4}$ " "	200	
		$\frac{5}{8}$ " "	200	
		$\frac{1}{2}$ " "	200	
		$\frac{3}{8}$ " "	200	
		$\frac{1}{4}$ " "	200	
		$\frac{1}{8}$ " "	200	
	stencil-ling	$1\frac{1}{4}$ " "	200	
		$1\frac{1}{8}$ " "	200	
		1 " "	200	
		$\frac{7}{8}$ " "	200	
		$\frac{3}{4}$ " "	200	
		$\frac{5}{8}$ " "	200	
		$\frac{1}{2}$ " "	200	
		$\frac{3}{8}$ " "	200	
		$\frac{1}{4}$ " "	200	
		$\frac{1}{8}$ " "	200	
Circular spot, 1 inch in diameter		200	3	
Geneva cross	....	10 in. $\times$ 9 in.	10	These quantities are for white paint, the same quantities are required for Chinese red.
		9 " $\times$ 8 "	10	
		$7\frac{1}{2}$ " $\times$ $5\frac{1}{2}$ "	10	
		6 " $\times$ 5 "	10	
Lines, 1 in. $\times$ 3 in.		....	10	

* Less than $\frac{1}{4}$ -lb. paint should not be issued.

APPENDIX XIX.

Mekometers and Telemeters.

(Referred to in paragraph 297.)

1. Mekometers and telemeters in possession of units proceeding to a foreign station (other than India) or on active service will be exchanged for new instruments.

2. When instruments in charge of units require repair, an indent on A.F. G 1045, showing the nature of the repairs required, will be forwarded to the chief ordnance officer, who will, if the work can be carried out locally under paragraph 9, arrange for the repairs to be effected on the spot or in the Army Ordnance Department workshops, whichever may be most convenient.

3. When it is found that the repairs required cannot be carried out locally, the unit will be instructed to return the defective instruments to store and to demand fresh ones to replace them. The defective instruments will be sent by the ordnance officer to Woolwich by rail (goods train), the usual vouchers, and (if necessary), re-demand, being forwarded at the same time as required by the Regulations for Army Ordnance Services, Part I.

The registered numbers of instruments so sent will be quoted on all vouchers and demands.

4. Before despatch either by the unit or the ordnance officer the instruments are to be carefully packed in their leather cases, and these cases wrapped in paper, the reels and cords, or tapes, shuttles, and cords to be also wrapped in paper, and the whole then placed in a wooden box. The box should be packed with tow, hay, or lumps of paper. The box should be marked conspicuously "Glass, with care," and contain a packing note (A.F. G 1028) detailing the articles packed (and to which unit they belong).

The telemeter pickets should also be sent at the same time as the instruments.

5. At stations where there is an inspector of musketry, the infantry mekometers will be occasionally tested by him, and, if found unserviceable, steps will be taken for their repair or exchange, as above.

6. If any instruments in possession of units serving abroad become unserviceable, steps should at once be taken to replace them. The old equipment will be sent home by the local ordnance officer to the Deputy Director of Ordnance Stores, Woolwich Arsenal.

7. When an instrument is returned for any purpose, a report on its condition at the time will be made on a half sheet of foolscap paper, and signed by the officer commanding. The report will consist of answers to questions in the following form :—

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MEKOMETERS.

CONDITION OF INSTRUMENT, No.	MARK.
Are the parts and fittings complete and in good order ?	
Is the right instrument correct ?	
Is the left instrument correct ?	
Are the cords and reels correct ?	
Are the telescopes and handles correct ?	
Are the cases correct ?	
In case of damage or deficiency, state how it occurred.	

TELEMETERS.

CONDITION OF INSTRUMENT, No.	MARK.
Are the parts and fittings complete and in good order ?	
Is the instrument correct ?	
Is the tape and cord correct ?	
Is the telescope correct ?	
Are the cases correct ?	
Are the pickets correct ?	
In any case of damage or deficiency, state how it occurred.	
8. If the cord of a mekometer breaks, care must be taken to make it up again to the correct length.	
If the telemeter cord breaks, care must be taken to make it up to the proper length from the edge of the shuttle, viz., 18 ft. for telemeters, Marks I and II, and 27 ft. for Mark III.	
9. The following parts of mekometers and telemeters may be fitted or repaired locally under the supervision of an Inspector of Ordnance Machinery :—	

MEKOMETERS.

Handles—

- Handles complete.
- Ring and loop to handle.
- Metal loop to handle.
- Keep screw to handle.
- Cord loop to handle.
- Cord attaching low power telescope to handle.

Telescope—

- High power telescope.
- Low power telescope.
- Object glass to high power telescope.
- Object glass to low power telescope.
- Leather ring and clamping screw to high power telescope.
- Leather ring and clamping screw to low power telescope.
- Eye piece to high power telescope.
- Eye piece to low power telescope.
- Leather ring to eye piece of telescopes.

Reels—

- Back strap.
- Securing strap.
- Re-stitching securing strap.
- Studs to strap.

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MEKOMETERS—*continued*—**Reels**—*continued*.

- Re-stitching stud in securing strap.
- Screws securing centre spindle.
- Keep pin to spindle of reel.
- Pin to base of spindle.
- Handle to drum.
- Retaining spring.
- Screws and nuts for retaining spring.
- Check spring.
- Screws for check spring.
- Staple and nuts.
- Wooden block pieces.
- Screws for securing wooden blocks.

Cords—

- New cord.
- "S" hook.
- Centre loop to cord.
- Re-securing "S" hooks to end of cord.
- Re-whipping.

Cases—

- Leather case.
- Back strap to leather case.
- Stud to leather case.
- Front buckle to leather case.
- Front strap to leather case.
- Buckle to shoulder strap.
- Side buckle to leather case.
- Case to be re-stitched.
- Shoulder strap to leather case.

TELEMETERS.

Telescopes—

- Telescope complete.
- Object glasses.
- Eyepiece.
- Eyepiece cap.
- Telescope body.
- Guard for compensating screw.

Cases—

- Leather case.
- Front strap.
- Buckle to front strap.
- Shoulder strap.
- Buckle to shoulder strap.
- Waist belt.
- Buckle to waist belt.
- Pocket for telescope.
- Re-stitching.
- Pocket for cord.
- Pocket for tape.

Pickets—

- All repairs.

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APPENDIX XX.

(Referred to in paragraph 419.)

**INSTRUCTIONS FOR THE CARE AND PRESERVATION
OF FLUTES AND PICCOLOS.**

1. The player in whose care the instrument is placed must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick, a slight gloss in the bore is all that is required.
 2. After use the moisture must be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush must be passed through the bore.
 3. To protect the wood from splitting the instrument must not be placed in the sun, nor laid on cold stone or iron while warm or wet inside, and the cleaning rag must not be forced through the bore.
-

APPENDIX XXI.

*(Referred to in paragraph 28.)***Conditions Governing the Sale of Carbines and Rifles.**

Carbines or rifles, of any service pattern, may be issued on prepayment, under the following conditions, to :—

Officers of the regular forces.

Officers, non-commissioned officers and men of the Territorial Force.

Conditions.

1. Issues, which will be limited to one carbine or rifle per officer, non-commissioned officer or man, will be authorized on the distinct understanding that the arms are not required for the purposes of sale or trade.

2. All carbines or rifles must be obtained from Weedon, and are not to be issued on prepayment from local stock. They will be demanded through the usual channels on quarterly indents, which should be submitted so as to reach Weedon on the 1st January, 1st April, 1st July, and 1st October.

A nominal roll showing the ranks, names, and units of the individuals for whom arms are demanded should accompany each indent.

3. Prior to despatch from Weedon a special sale mark will be applied to all carbines or rifles issued for sale.

4. Only carbines or rifles bearing the special sale mark will be issued on prepayment.

Local stocks of arms bearing the special sale mark will not be held in anticipation of prepayment demands.

5. The vocabulary rate current at date of issue, plus 1s. per arm to cover the cost of special sale marking will be charged, and recovered locally by the accountant for district services. (In the case of arms supplied to officers at stations abroad the usual 10 per cent. on vocabulary rate should also be added.)

6. All carbines or rifles sold under the foregoing conditions will become the personal property of the purchaser, and will not be accounted for in the equipment ledgers of units.

7. Spare parts and components may also be supplied on prepayment for the repair of service arms issued under the foregoing instructions. Barrels with bodies must be obtained from Weedon in the manner prescribed for complete arms. They will be marked with the special sale mark, for which a charge of 1s. in addition to vocabulary rate, will be made. Credit for replaced parts, if returned to store cannot be allowed.

A.O. 17
1907

A.O. 58
1908

APPENDIX XXII.

*(Referred to in paragraph 303.)*A.O. 72
1906

Chests, Clothing, or School Materials.†

	Number allowed per unit for clothing.*
Cavalry regiments	4
„ depôts	1
Royal Artillery—	
Horse and field batteries and the riding establish- ment	2
Companies, including School of Gunnery, Jamaica and Sierra Leone Companies	2
District establishment, Southern and Western Districts	3
District establishment, South-Eastern and Thames Districts, Malta, and Gibraltar	2
All other units, including local companies	1
Royal Malta Artillery	1
Royal Engineers—	
Companies (other than Field) and for the super- numerary staff at Aldershot and Gibraltar	1
All other units, including sections of Coast Battalion and Telegraph and local companies	2
Infantry—	
Battalions	2
Regimental depôts	1
Battalion, West India Regiment	3
Army Service Corps—	
Depôt companies	3
Other „	2
Detachment at Gibraltar and Staff Clerks' depôt	1
Royal Army Medical Corps—	
Companies	1
Depôts	3
Army Ordnance Corps—	
Companies	2
Depôt	4
School of Musketry	1
Military Police Corps, Cairo	1
School of Music	1

* These will not be taken to India with the unit, but should be returned to store prior to embarkation.

† To be replaced by “Boxes, clothing, or schoolmasters,” when existing stock is used up.

APPENDIX XXIII.

Specimens of ammunition labels referred to in paragraph 196.

Label 293 1100
CARTRIDGES
S.A. BALL
.303 Inch
CORDITE

EXAMINED 1906

[^]_{RL} Mark II [^]_{ILS} 

Label 291 1100
CART
EXAM 1906. SERVICE
S.A. BALL
.303 Inch
CORDITE

10 | 11 | 00

[^]_{RL} Mark II [^]_{ILS} 

Label 291 1100
CARTRIDGES
S.A. BALL
.303 Inch
CORDITE

REMADE 1906

[^]_{RL} Mark II [^]_{ILS} 

Label 291 1100
CARTRIDGES
S.A. BALL
.303 Inch
CORDITE

24 | 9 | 06

[^]_{RL} Mark VI [^]_{ILS} 

Label 821 840
CARTRIDGES
S.A. BALL
.303 Inch Cordite
IN CHARGERS

1 | 11 | 06

[^]_{RL} Mark VI [^]_{ILS} 

A.O. 17
 1907

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FOR THE

EQUIPMENT OF THE ARMY.

PART I.

1912.



LONDON:

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GEORGE, R.I.

WHEREAS Our Army Council has submitted to Us revised General Regulations for the Equipment of Our Army and the Armament of Our Works of Defence; and whereas We have been pleased to approve the same;

OUR WILL AND PLEASURE IS that these Regulations be the sole and standing authority on the matter herein treated of, excepting all matters relating to the equipment of such part of Our Army as may be stationed in Our Indian Empire; provided always, that Our Army Council shall, until Our further pleasure be made known, have full power to make, with regard to the details of equipment, and to the general arrangements for equipment applicable in time of war, such additional Regulations, or modifications in the Regulations attached to this Our Warrant, as may be necessary in the interests of Our Service. The administration and interpretation of these Regulations shall likewise rest with Our said Army Council.

The Warrant of His late Majesty, dated the 19th of January, 1909, and the Regulations established thereby, are hereby cancelled.

Given at Our Court at St. James's this 15th day of October, 1912, in the 3rd year of Our Reign,

By His Majesty's Command,

J. E. B. SEELY.

DEFINITIONS.

N.B.—The following terms used in these regulations will have the signification shown :—

Unit	Units are bodies of troops each under a separate commanding officer who is an accountant.
Accountant	Any officer who receives and holds army equipment, and renders to the War Office or local audit office a ledger account of the same.
Commanding Officer ...	The officer commanding any unit.
Deputy Director of Ordnance Stores	The officer at the head of the Army Ordnance Department at the Royal Arsenal, Woolwich.
Assistant Director of Ordnance Stores	The senior officer of the Army Ordnance Department in a command.
Chief Ordnance Officer ...	The senior officer of the Army Ordnance Department at the Royal Army Clothing Department, Pimlico; in a district not included in a command; and of an administrative area in a command.
Ordnance Officer	The officer in charge of an ordnance depôt.
Regimental Artificers ...	Non-commissioned officers and men on the regimental establishment as artificers, receiving pay as such, for the performance of special work.
Military Tradesmen ...	Tradesmen enlisted as soldiers, and receiving pay as such, but available when required for employment in their trades, receiving extra working pay.

ABBREVIATIONS.

A.A.	Army Book.	G.O.C.	General Officer Commanding.
A.D.O.S.	Assistant Director of Ordnance Stores.	G.O.C.-in-C.	General Officer Commanding-in-Chief.
A.F.	Army Form.	I.O.M.	Inspector of Ordnance Machinery.
A.O.D.	Army Ordnance Department.	N.C.O.	Non - Commissioned Officer.
A.O.C.	Army Ordnance Corps.	M.M.P.	Military Mounted Police.
A.P.C.	Army Pay Corps.	O.C.	Officer Commanding.
A.S.C.	Army Service Corps.	O.O.	Ordnance Officer.
A.V.C.	Army Veterinary Corps.	R.A.	Royal Artillery.
C.I.S.A.	Chief Inspector of Small-Arms.	R.A.M.C.	Royal Army Medical Corps.
C.O.	Commanding Officer.	R.A.O.S.	Regulations for Army Ordnance Services.
C.O.O.	Chief Ordnance Officer.	R.E.	Royal Engineers.
C.R.E.	Commanding Royal Engineer.	R.F.A.	Royal Field Artillery.
D.D.M.S.	Deputy Director of Medical Services.	R.G.A.	Royal Garrison Artillery.
D.D.O.S.	Deputy Director of Ordnance Stores.	R.H.A.	Royal Horse Artillery.
E.R.	Equipment Regulations	W.O.	Warrant Officer.

NOTE.—For explanation of abbreviations used in description of stores, see Priced Vocabulary of Stores.

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[The amendments made in the Regulations of 1909 are denoted by a black line in the margin. As some typographical errors may have occurred in publication, it is requested that, should any be discovered, they may be at once pointed out, in writing, to the Secretary, War Office.]

REGULATIONS FOR THE EQUIPMENT OF THE ARMY, 1912.

PART 1.—GENERAL REGULATIONS.

SECTION I.—DUTIES OF OFFICERS.

A.—INTRODUCTORY.

1. The following regulations for the equipment of the regular army and for the maintenance of the armaments of works, are promulgated for the information and guidance of officers concerned. The proportions of ammunition and stores, materials for repair, tables of duration, and other details of equipment contained therein will be strictly adhered to. No details of equipment for defence electric lights, permanent telegraph, telephone and signal stations are given, special scales being authorized for each station concerned, but the general procedure as regards demand, supply, and disposal of such equipment will be as herein laid down.

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2. In describing stores in equipment ledgers, indents, &c., the designations and sections of the Priced Vocabulary of Stores will be strictly followed. Articles not included in the vocabulary will be headed "not in vocabulary" and grouped under the several sections to which, from the nature of the articles or their intended use, they would properly apply. They will also be described by drawings or otherwise, where requisite, in order to obviate the necessity of making further reference. In giving dimensions, feet and inches are always to be expressed in words.

B.—DUTIES OF GENERAL OFFICERS COMMANDING.

3. G.Os.C. will keep themselves informed as to the condition of armaments and equipments, and will satisfy themselves that the articles which would be issued to or taken into use by units on mobilization are at all times maintained in a serviceable and complete condition.

They are responsible for the custody and maintenance of the mobilization equipment which is held in their commands, both in regimental and ordnance charge, and should take such steps as will ensure that where such mobilization equipment is incomplete, the officer in immediate charge shall be able at any time to furnish a satisfactory and explicit reason.

4. Equipment stored for mobilization will be inspected approximately every six months alternately by the C.O.O. and by the A.D.O.S. In districts where both these appointments do not exist another O.O. may be detailed to carry out one of the half-yearly inspections in any year.

In each case, the result of these inspections will be reported on A.F. G 1097, which will be forwarded to the headquarters of the command, and will not be transmitted to the War Office unless, for any reason, the G.O.C. is desirous of doing so.

5. The General or other O.C. a district or command will be responsible that equipment of all kinds is issued to the troops for service purposes in accordance with the authorized proportions, but in cases in which it is found necessary that these should be exceeded, he will give authority in writing to the responsible O.O. to provide for the requirements of the service according to circumstances. It must be distinctly understood that the power of the G.O.C. to approve such excess issues does not extend to ammunition and explosives, nor to permanent issues of vehicles.

6. In any instance in which stores or equipment, other than ammunition, are drawn in excess of the authorized proportions without the written authority required by paragraph 5, the case should be submitted without delay to the G.O.C., who will deal with it as a matter of discipline, and when consumable stores are concerned, the excess issues should be treated as losses, and dealt with under the King's Regulations.

7. The G.O.C. will, when the issues under paragraph 5 are of an exceptionally large nature, report full details quarterly to the War Office, stating whether the issues are of a temporary nature, or are proposed as a permanent addition to an establishment.

8. In the event of any unnecessary delay occurring in the supply of equipment, the G.O.C. will report the circumstance, with the explanation of the C.O.O. concerned, to the War Office.

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C.—DUTIES OF COMMANDING OFFICERS.

9. C.Os. will be held directly responsible that their equipments are in a serviceable condition, in proper working order, complete in all their details, and in the authorized proportions unless otherwise specially ordered. They will make frequent inspections of the whole of the equipments of the men and horses under their command; and when any defects are discovered therein will at once take steps to have them remedied. Officers who are likely to require renewal or exchange of any considerable part of their equipment will give early intimation of the same to the C.O.O.

Commandants of Schools of Instruction and similar institutions will be regarded as C.Os. for all purposes to which the instructions contained in these regulations apply.

10. They will be held responsible, in the case of alterations of pattern, or of changes in the proportions in which articles forming their equipments are issued, that the necessary action is taken to provide for such changes.

11. They will compare the quantities of mobilization stores in their charge, as shown by the mobilization store tables of their respective units, with the remains of the stores shown at the end of their equipment ledgers on the 31st March in each year. A certificate will be furnished at the end of the ledger that this has been done, and a detail, with explanations, will be given of any discrepancies found.

12. Alterations of articles of equipment involving any departure from the sealed patterns, either for experiment or any other purpose, are strictly forbidden without the previous sanction of the War Office.

13. On a change of command a regimental board will be assembled to take stock of the equipment and verify the ledger balance. Both the incoming and the outgoing officers, or their representatives, should be present and sign the proceedings, which will be certified in the form shown in Appendix I and will accompany the regimental equipment ledger, on transmission of the latter as laid down in that appendix. In a case where the officer taking over the command does not arrive until after the departure of the out-going C.O., the regimental board will be assembled prior to the departure of the out-going officer, and the senior officer remaining with the unit will take over and be responsible for the equipment until it is handed over by him to the officer assuming command.

(See paragraphs 115 and 117 regarding the verification of lists of official books, &c.)

14. The stocktaking board may be dispensed with if the officer taking over the charge of the stores considers it unnecessary, but he will then be held responsible and will himself sign the form of certificate shown in paragraph 6 of Appendix I and dispose of it as therein directed.

15. In the case of a transfer of charge of the equipment of a sub-district in an artillery district, the verification of the stores in

connection with the armaments, by a board of officers, need not be carried out unless at the request of either of the officers concerned. Should such a request be made by either the officer handing over or the one taking over charge, the O.C.R.A. will appoint a board of officers for the purpose. Should no board be assembled, the officer taking over charge will be held responsible for the correctness of the stores taken over by him, as shown by the balance on the 31st of the previous March, subject to variations caused by subsequent duly vouched store transactions.

16. When deficiencies or damages are discovered on a transfer of the equipment and stores, the value of the articles deficient, or the cost of making good the damages, will be recovered from the officer giving over the command, unless he has been relieved of the responsibility by authority of the War Office. Where any loss, injury, or deterioration of equipment, other than personal, is clearly traceable to the neglect of a subordinate, the C.O. who is liable may apply through the G.O.C. to the War Office to be relieved of the cost of replacing or repairing such equipment. In the case of personal equipment the usual steps will be taken to recover the cost of replacing or repairing.

17. In order to facilitate the maintenance of stocks, the C.O. will at all times furnish the O.O. with such information as he may require regarding the state of the equipments in his charge.

18. All communications connected with the supply of equipment, whether authorized by, or in excess of regulation, will be addressed to the C.O.O., who will, if necessary, take the orders of the G.O.C. on the subject.

19. The C.O. will bring to the notice of the G.O.C. any undue delay in the supply of any articles of equipment.

SECTION II.—GENERAL SUPPLY OF EQUIPMENT.

A.—SUPPLY OF EQUIPMENT.

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21. Indents for stores required for the maintenance of authorized equipments will be rendered to the C.O.O. on the dates given in paragraph 23 by officers who are accountants. They will be prepared in duplicate on the authorized forms, which will be completed where necessary to show the paragraph or table of the regulations authorizing the issue, the establishment of men, animals or equipment, the quantities of equipment on charge and, in the case of those articles for which a period of duration has been assigned, the time the articles to be replaced have been in use.

A separate sheet (or division of such forms as are divided by perforation) will be used for each section, and will bear the regimental or corps office stamp.

Indents for ammunition and stores required on payment will be surcharged to that effect in red ink.

22. Except for the special services referred to in paragraph 1, the Equipment Regulations are the sole authority for peace equipment and for the war equipment of units which exist in peace.

23. Except in the case of emergency, indents will be rendered on the following dates :—

	Army Form.	When rendered.
Stores required to complete equipment or to replace unserviceable articles ...	G 997	{ Quarterly — on 1st March, 1st June, 1st September, and 1st December.
Materials for repair of bicycles...		
Materials for repair and maintenance of mechanical transport vehicles and workshop equipment (<i>see</i> paragraph 387) ...		
Cleaning material required under paragraph 356 ...		
Veterinary stores (except in case of units stationed in the Woolwich area)		
Material for repair of—		
Arms ...	G 829	{ Annually, on 1st March.
Accoutrements ...	G 957	
Harness and saddlery...	G 1037	
Material for cleaning and oiling arms ...	G 997	
Artificers' tools ...	G 997	{ Annually, on 1st September.
Material for repair of carriages...	G 979	
Stable necessities ...	G 997	
Gun ammunition...	G 988	{ When required. <i>See</i> paragraphs 246 and 257.
Small-arm ammunition ...	G 815	
Camp equipment ...	G 968	When required. <i>See</i> paragraph 306.
Paint ...	G 997	When required.

When small quantities of camp equipment or material for repair are required, A.F. G 997 will be used in lieu of the special forms.

Indents for material for the repair of Weedon Section articles held on inventory charge will be submitted to the officer in charge of barracks.

24. When indents are rendered on dates other than those laid down in paragraph 23, a statement will be forwarded for the information of the G.O.C., showing why the requirements were not foreseen and why the supply could not wait until the next periodical indent is rendered.

25. On notification of a change of pattern involving the immediate withdrawal of that in use, indents will be forwarded for

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the new equipment, but a C.O. will not demand any article from store on account of a preference which he may have for a particular pattern.

26. When a unit is ordered abroad, indents will at once be submitted for any articles required to complete the equipment of the unit in accordance with the scales authorized for the particular service.

27. Until a C.O. has satisfied himself that articles are thoroughly unserviceable and cannot be repaired by the means at his disposal he will not forward indents for their replacement, notwithstanding that such articles may have been in use for the period of duration assigned to them under these regulations.

Special authority will be required for the exchange of serviceable equipment or of equipment which can be repaired regimentally.

28. Indents and vouchers for equipment for the use of detachments will be signed by the O.C. the unit, unless the officer in command of the detachment is a direct accountant.

When stores are issued the O.C. the detachment will furnish the O.O. with a temporary receipt, and will be responsible for the stores until vouchers have been passed.

When stores are urgently required the O.O. will make the issue at once, the O.C. the detachment taking the necessary steps to procure a covering indent.

29. To obviate the necessity for intermediate indents, the C.O. will cause an inspection of the equipment to be made before the quarterly indents are prepared. To meet immediate and unforeseen requirements certain spare articles of equipment are supplied as detailed in the several sections of Equipment Regulations, Part 2.

When accoutrements are lost, or arms are damaged to such an extent that the armourer cannot repair them, the wants may be temporarily met by using the equipment of men who are for the time non-effective.

30. Small-arm ammunition, arms and service-pattern articles which form part of an officer's regulation kit (but which are not authorized as public equipment) as shown in the Field Service Manuals, also surveying and drawing instruments necessary for carrying out his military training and education, and which he may require for his own personal use, may be issued on prepayment.

Carbines and rifles may be issued under the conditions laid down in Appendix XXIV.

Other articles will not be issuable on payment to officers except by order of the Army Council.

31. The value of stores issued on repayment, and of ammunition issued under paragraphs 244 and 245, will be recovered by the command paymaster in whose area the issuing officer is stationed, priced vouchers being furnished by the O.O. making the issue. The O.C. the unit to whom issues are made will forward the vouchers to the command paymaster as above, so that it may be shown where the value is credited before returning them to the A.O.D.

32. When tools are required to replace similar unserviceable articles which form part of complete tool chests, they will be demanded in detail.

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33. Stores for maintaining equipments or for special services are not to be appropriated to other purposes without special authority obtained through the C.O.O.

34. The supply of all equipment, except ammunition, due to units proceeding from one district to another is dealt with in the Regulations for Army Ordnance Services, Part I.

35. On change of station by R.E. field companies or by A.S.C. companies, personal arms and equipment only will accompany the units; all other equipment will be left behind by outgoing units and taken over by incoming units, except when otherwise specified in these regulations.

In the case of exchanges within the United Kingdom an officer, and if necessary a N.C.O. of each unit, will proceed in advance to the new station to take over the stores left behind by the outgoing unit. The transfer of stores will be conducted under paragraph 103.

Ammunition will be disposed of as directed in paragraph 67.

Any stores due from the A.O.D. to outgoing units to complete or to repair equipment left behind will be issued to incoming units.

36. Vehicles in possession of units or held by A.O.D. as mobilization equipment should always be complete with the authorized proportion of components, accessories, spare parts, and vehicle equipment.

For complete list of components and accessories see "Table of Components, Accessories, and Straps for Service Vehicles." The components detailed in Appendix XV represent only those articles which are loose or readily detachable, and are published for the purpose of enabling the completeness of the vehicle to be ascertained.

Appendix XV contains a complete list of the accessories, spare parts and cart and wagon equipment of General Service vehicles; for details of R.A. and R.E. technical vehicles see E.R., Part 2. Sections X, XI, and XII.

The equipment of vehicles in use in South Africa is detailed in Appendix XVI.

37. When stores have been reported as ready for issue, the troops will, if within a reasonable distance from the ordnance dépôt, arrange for their conveyance.

B.—RECEIPT AND INSPECTION OF EQUIPMENT.

39. When equipment is received by the troops, the officers or others receiving it will, before giving a receipt to the carrier, ascertain that the various packages are in good order and condition. Should any appear to have been damaged in transit, or tampered with, the circumstances will be recorded on the bill of lading or carrier's note, and pointed out to the person conveying the stores, the packages being opened, if necessary, in his presence. (See also King's Regulations.)

40. The stores will be examined, as soon as possible after receipt, in the presence of not less than two officers, one being the officer responsible for the equipment, or an officer deputed by him.

41. All packages will be weighed before being opened, and the ascertained weight compared with that marked on the outside.

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Should these weights differ in any instance, the contents will be at once counted, and compared with the numbers given on the packing note which each package should contain.

42. The equipment will be carefully inspected, to determine that the articles delivered agree with the particulars in the vouchers and that they are correct in point of quality and pattern. Stores received by number and weight will be both counted and weighed.

43. Objections that may arise on the ground of equipment being of an inferior quality or of an obsolete pattern, or for any other cause, will, if possible, be made by the C.O. before the articles are taken on charge, as after the receipt has been signed the responsibility for the condition of the stores will devolve upon him. Serviceable articles are not to be objected to on account of their being part worn.

44. The hermetically closed cases in which fuzes, tubes, and certain other articles are issued, will not be opened until the contents are required for use. These cases with their contents, as well as packages containing small-arm ammunition and gunpowder, will be taken on charge unopened. Any defects or discrepancies which may be discovered when the stores are subsequently inspected or used will be at once reported, and all details upon the cases will be quoted.

45. Should the precautions in the preceding paragraphs be omitted, the officer receiving the stores will render himself liable for any discrepancies.

46. Should any discrepancies be discovered, or any articles be found damaged or unsuitable, the C.O., after endeavouring to ascertain the cause of loss or damage, will bring the matter to the notice of the O.O. by whom the issue was made.

47. In reporting any discrepancy, the fullest information will be given, all numbers and weights, and any marks upon the packages giving evidence of their having been tampered with, being carefully recorded. The packages, with their notes and all wrappers, will be retained until the inquiry closes.

48. In cases in which the reports of C.Os., or others, bring to notice inferiority of quality or pattern, the matter will be reported to the War Office if the G.O.C. considers further action necessary.

49. A C.O. in receipt of articles of equipment which are not brought on charge, will, pending the result of a report on their condition, be held responsible for their safe custody until a decision has been given as to their disposal, when he will either take them on charge or return them to store, as may be ordered. He will also be held responsible for the immediate return to store of any equipment issued to him, which, in cases of emergency, he may be unable to take on charge. Should he fail to carry out these instructions, he will be liable for any loss that may ensue.

C.—RETURN OF EQUIPMENT.

54. Whenever it becomes necessary or advisable to return equipment into store, except empty packages and such articles as have been replaced on indent, C.Os. will make application to the

C.O.O. to receive them, stating their description, number, the time they have been in use, and the reasons, and authority (if any), for returning them to store. The C.O.O. will add his instructions and return the document to the unit, by whom it will be attached to the voucher on which the stores are charged to the A.O.D. When guns, carriages and slides, for drill, practice, time, saluting, or instructional purposes, are unserviceable, indents to replace them may be put forward without reference to the War Office, but no replacement of guns, &c., in armaments, and batteries of Horse, Field, Mountain, Heavy or Siege Artillery should take place without previous reference to the War Office, unless under very exceptional circumstances, when the matter should be immediately reported.

55. Unserviceable or obsolete stores on charge of a unit may, under the authority of the G.O.C., obtained through the C.O.O., be disposed of locally, to save the expense involved in transporting them to the nearest ordnance dépôt for survey and condemnation. In giving effect to this arrangement the general rules to be observed in the condemnation of equipment are as follows:—

- (a) The condemnation of stores will not be effected by the unit on whose charge they are held.
- (b) Whenever possible, the condemning authority should be either an O.O. or a garrison board.
- (c) At remote stations where there are insufficient officers to form a garrison board, it may be undesirable, in the interests of economy, to adopt either alternative mentioned in sub-paragraph (b). In such cases the G.O.C. may instruct a competent military officer to examine the stores and, after consideration of his report, authorize their condemnation and local disposal. Officers should not be specially detailed for this duty, if, within a reasonable time, a qualified officer will visit the station in connection with other military duties.
- (d) All instructions for the disposal of stores will be given by the C.O.O.

56. Haversacks, mess-tins and mess-tin covers, condemned under paragraph 55, will be disposed of under the contracts for the sale of worn-out clothing. The amounts realised will be credited to the public in the vote for general stores (Vote 8)—

- (a) Through the A.O.D. if the articles are handed over to the contractor at an ordnance dépôt.
- (b) Through the C.O. concerned, if the articles are condemned on the spot and handed over locally to the contractor.

In the latter case the credit will be given in the pay list of the unit or units concerned, and the A.O.D. will not be called upon to intervene in the cash transaction.

57. When stores are returned to the A.O.D., vouchers will be prepared in triplicate by carbon process on A.F. G 1033. A separate sheet will be used for each section, and each sheet will bear the regimental or corps office stamp. The vouchers will be signed by the consignor, and one copy, duly signed by the consignee, will be returned as soon as practicable after the stores have been

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received. When stores are passed to other accountants, the vouchers will be prepared in duplicate only.

58. When stores are returned from a distance, vouchers will be sent by post on the same day that the stores are despatched, to the O.O. to whom they are consigned. The date and number of the order directing the return of the stores will be inserted in the headings of the vouchers, and a corresponding date and number will be conspicuously marked on the outside of each case or package, so as to enable the consignee to identify it immediately on receipt. Each case, bale, or package will be weighed, and the weight marked upon it.

59. C.Os. will make their own arrangements for conveyance, as in the case of issues (*see* paragraphs 37 and 60), in the return of unserviceable and surplus equipments into store in camp and garrison.

60. When a unit is quartered at a station where there is an ordnance depôt, issues of equipment such as arms, accoutrements, harness and saddlery and parts of bicycles, to replace similar unserviceable articles, will not be made until the unserviceable articles have been returned to the A.O.D., inspected, and condemned. The day and hour for return of unserviceable equipment and for issue of new equipment will be arranged by communication between the O.O. and the C.O.

61. When no ordnance depôt exists at the station, the unserviceable articles will be returned to store as soon as possible after receipt of the new equipment. Corps marks will not be placed upon the new equipment until a notification is received from the O.O. that the articles returned are considered to be in a state for condemnation. The inspection and notification by the A.O.D. will be carried out immediately the stores are received. Should any of the equipment so returned be found to be still serviceable, or capable of repair by regimental artificers, the C.O.O. will call upon the C.O. to furnish an explanation for the information of the G.O.C., who will decide whether the troops should be held liable, or a board of officers be assembled to investigate the matter. If it is decided that the articles have been improperly returned they will be sent back to the unit and the new articles will be returned to the A.O.D., the cost of carriage unnecessarily incurred being defrayed by the C.O.

62. Should it be considered that any articles returned as unserviceable have become so from unfair usage while in possession of the troops, the C.O.O. will bring the same to the notice of the G.O.C. who will determine, by means of investigation by a board of officers, or otherwise, whether the troops are liable.

63. No reduction in any authorized equipment will be made without the sanction of the War Office, but if, owing to an authorized reduction, or any other cause (*see* also Part 2, Section XIIa), officers who are accountants have on charge surplus stores or equipments not likely to be again required within a short period, the G.O.C. will decide whether they shall be retained or returned to store. When a reduction in the establishment of men or horses is authorized, the stores to be disposed of will be the actual complete sets of equip-

ment in use by the men or horses drafted to other corps or otherwise dealt with as supernumerary.

64. Units other than those mentioned in paragraph 35, will, on change of station, obtain the authority of the G.O.C. for the return to A.O.D. of such stores of a bulky nature as can temporarily be dispensed with.

On receiving the stores the O.O. will furnish the C.O. with a certificate of their quantity and condition. This certificate will be attached to the indent for equivalent supplies at the new station.

65. When it is not advisable to return these stores, as for example, should there be no ordnance depôt at the station to which the unit is proceeding whence a fresh supply could be obtained, they will be taken with the corps, and public conveyance will be provided; but if this is impracticable, and expenses are incurred for carriage from one station to another, the charge must be supported by a list of the stores, and a certificate from an officer of the A.S.C. that army transport could not be provided.

66. All equipment issued to meet the purely local requirements of a station will be returned to store by outgoing units, unless it is required to be handed over to the incoming unit, when the transfer will be effected through the A.O.D.

67. Except in the case of a mobilization, the ammunition in charge of troops, whether service or practice, will be returned into store previous to their departure from a station, with the exception of a sufficient quantity to provide the guards and escorts with 20 rounds of small-arm ammunition for each man. If no ordnance depôt exists at the station, it will be handed over to an officer of the A.O.D. deputed to receive it, who will at once note thereon the condition in which it was received by him. The service and practice ammunition are to be shown separately on the vouchers. The officer who gives over the ammunition will be furnished with a proper receipt, which will be the authority (except as regards ammunition authorized under paragraph 239), for the unit to draw a similar quantity at the new station (see paragraph 248). The ammunition given into store in boxes with unopened linings will be available for re-issue to other units, and cannot be objected to.

68. When stores are issued on loan from the A.O.D. (as for instance, for the service of moving ordnance on re-armament), the C.O. to whom they are lent will be held responsible for returning them as soon as the object for which they have been issued has been accomplished.

69. C.Os. are responsible that all chests, cases, barrels, and cylinders, received with equipment of any kind, are handed over as soon as they can be dispensed with to the A.O.D.; and, if possible, without cost to the public. The packages will be addressed:—

The Ordnance Officer———.

From the Officer Commanding———.

70. As at out-stations a consignment of cases, &c., from a single unit might be insufficient to obtain the lower rate of freight, Os.C. troops will arrange, monthly if necessary, for all empty

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packages to be sent in one consignment to the ordnance dépôt concerned. Each package will have clearly marked upon it the name of the unit returning.

71. The utmost vigilance is required on the part of officers returning stores, in order to guard against explosives being returned into ordinary store dépôts, instead of into the magazines, as well as to preclude the possibility of matches, iron nails, &c., being left among stores of any kind.

72. All empty ammunition or powder barrels, or packages, will be most carefully examined to see that they are free from iron tacks in the head, and grit and dirt on the staves, before being returned into store.

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73. Instructions regarding the conveyance of stores, &c., sent away from consignor's station will be found in the King's Regulations and in the Regulations for Supply, Transport and Barrack Services.

74. When articles are returned to store in packages, a packing note on A.F. G 1028, signed by the packer and also by the person witnessing the packing, will be placed in each package.

75. When stores are forwarded under escort or by convoy, convoy notes, A.B. 158, will be prepared in triplicate and signed by the officer despatching the stores. These notes will be handed to the O.C. the escort or to the conductor, who, after satisfying himself that the stores are correct, will receipt one copy and return it to the consignor.

On arrival at the destination the convoy notes will be handed to the consignee, who will return a receipted copy to the O.C. the escort or to the conductor.

When there is a discrepancy between the stores actually received and those detailed on the convoy notes the necessary enquiries will, if possible, be made before the O.C. the escort or conductor is discharged. The convoy notes will be amended to agree with the stores actually received.

Issue vouchers will be passed in the ordinary way for stores forwarded by convoy or under escort.

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76. The fired cases of small-arm ball and blank cartridges supplied gratuitously will be brought on equipment ledger charge by certificate receipt voucher in the proportions shown below, and returned to the A.O.D. The cases will be brought on charge by weight and not by numbers.

Nature of ammunition.					Weight to be brought to account per 1,000 rounds expended.
					lbs.
75	303-inch ball	...	...	...	24
3	303-inch blank	...	...	...	12
2049	Pistol, Webley, ball and blank	...	...	...	9

The rates to be charged for any deficiencies in the above proportions for ammunition supplied gratuitously, and amounts to be refunded to units returning fired cases of ammunition supplied on payment, will be governed by the rates included in the "Statement of prices obtainable at the Royal Arsenal to guide disposal of produce, &c." (published half-yearly by the D.D.O.S.). These rates will be notified in Command Orders.

The number and date of the ordnance voucher on which the cartridges were received will be quoted on the payment voucher of the officer charging the value of the empty cases.

77. Cases will be returned to store in the empty ammunition packages, once a quarter, and C.Os. will not return a less weight than that representing 1,000 cases, except in the last quarter of the accounting year, when the outstanding balance, whatever it may be, will be sent in. Cases must be in good condition when returned, care being taken that grit and dirt are removed, and that no live cartridges are included in them. Each package will contain a packing note on A.F. G 904, showing the rank, name, and unit of:—

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(a) The person by whom the cartridge cases were sorted and packed.

(b) The responsible individual supervising the sorting and packing operations.

If live cartridges are found in any of the packages, the matter will be reported to the G.O.C. for such disciplinary action as he considers necessary.

78. The foregoing general instructions apply equally to the chargers issued with "charger packed" .303-inch ball ammunition. The chargers will be written off charge by numbers at the same time as the expended ammunition and brought on charge by weight by certificate receipt voucher with the fired cases. The weight to be brought to account in respect of each 1,000 chargers will be 25 lbs.

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Vocabulary rates will be employed in calculating—

(a) Charges for deficiencies.

(b) The sum to be refunded to corps for chargers returned from issues of ammunition on payment, provided the chargers are serviceable upon receipt by the A.O.D. No refund will be made in the case of unserviceable chargers.

The cardboard boxes employed for .303-inch charger packed ammunition should be disposed of locally.

79. Bandoliers used in packing "bandolier packed" .303-inch ball ammunition will be returned to the A.O.D., when empty, at the same time as fired cases and chargers. They will be tied up in bundles of 50, or other convenient number.

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D.—ANNUAL INSPECTIONS.

81. The O.C.R.A., the C.R.E., and the C.O.O. will at least once a year, or whenever necessary, make a joint inspection of works, magazines, stores, workshops, &c., of all their departments, in order that each officer may have an opportunity of calling special attention to his requirements on the spot. When circumstances make it appear advisable, the officer or officers in local command or charge may be delegated to carry out this inspection. Advantage should be taken of this inspection to consider and discuss on the spot the requirements of the defence and the manner in which they should be met.

E.—BOARDS OF SURVEY AND COURTS OF INQUIRY.

82. Condemnations of stores must be supported by proceedings of garrison boards where boards are requisite.

83. Articles of equipment which may become unserviceable before the expiration of the period fixed for their duration, are not to be written off charge, nor is the loss to be borne by the public, unless the reason for the article having become unserviceable is fully set forth.

84. When stores or equipment of any kind are lost, destroyed, or injured, and it is a matter for consideration (owing to responsibility not being clear, or the charge being demurred to by the person held responsible, or for other reasons) on whom the expense of replacing or repairing them should fall, the course laid down in the King's Regulations will be followed.

85. All reports to the G.O.C. of loss, destruction, &c., of ordnance stores will be sent to the C.O.O., and will be accompanied by A.F. G 998 in duplicate, completed in strict accordance with the instructions contained thereon.

86. After a decision has been obtained, the C.O.O. will forward a copy of the same to the O.C. the unit concerned to serve as his authority to write off the stores and to indent for new ones to replace. If the matter has to be referred to the War Office, the indents for stores required in replacement will be put forward without waiting for the War Office decision.

The registry number and date of the decision of the G.O.C. or of the letter to the War Office will be quoted on the indents.

87. In cases where a court of inquiry is ordered by the G.O.C., an officer of the A.O.D. who is not the C.O.O. will, if available, be detailed to serve as a member of the court. The proceedings of such courts will be transmitted in duplicate, by the president, direct to the C.O.O.

88. When a damaged arm or barrel is sent to the C.I.S.A. for special report, a label stating the circumstances and giving the reference number and date of any War Office orders, or proceedings of courts of inquiry, will be attached to the arm or barrel for identification.

89. If the loss or damage has occurred when the R.A. have been employed in moving heavy stores, the officer in charge of the operation should, in giving evidence, produce a statement showing distinctly the materials used, their actual dimensions, the strain

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calculated to be borne by them, the actual weight lifted, the distance through which the stores were to be lifted, vertically or horizontally, and, in the case of sheers, the angle of inclination.

90. When the stores forming the subject of inquiry are of a special or technical nature, or peculiar to the R.A., R.E., or any particular service, the G.O.C. will, when necessary, call for the written opinion of the local head of the department concerned before finally dealing with the matter. Such opinion will form part of the proceedings forwarded to the War Office in cases where this is necessary in accordance with the instructions laid down in the King's Regulations dealing with these subjects.

91. Surveys on the equipments of troops proceeding to or returning from India will be held in accordance with the instructions in Appendix II.

F.—EQUIPMENT ACCOUNTS AND CLAIMS AGAINST CORPS.

94. Every officer receiving equipment, ammunition, or money for the purchase of equipment, will keep and render accurate accounts thereof, and until these accounts have been examined and allowed, he will not cease to be responsible. He will obtain receipts on the proper army forms for all articles leaving his charge.

95. Accountants will record in equipment ledgers all transactions connected with ammunition and stores, except as provided for in paragraphs 97 and 307. Detailed instructions for keeping these ledgers are given in Appendix I. Stores for permanent military telegraph, telephone and signal stations will be accounted for, when in the custody of the R.E., as laid down in the Regulations for Engineer Services.

96. Equipment accounts will not be kept by units of the Expeditionary Force while on active service in the field.

97. Materials for repair (*see* paragraph 462) and other consumable articles (except explosives and ammunition) drawn upon regulated scale will not be taken on charge in the equipment ledgers; but any quantities remaining unused at the end of the year will be shown as in possession in the indent for the next year's supply. Packages, including those from the Stationery Office, will be brought on charge by certificate voucher, by the unit receiving them, in the current account.

98. Ammunition, unless issued on payment, will be taken on charge in equipment ledgers. Quantities expended will be written off charge by vouchers signed by the C.O. as follows:—

(a.) *Small-arm ammunition other than that authorized by paragraph 239.*

One voucher dated at the end of the musketry year showing the expenditure to that date since the preceding 31st March.

One voucher dated 31st March when the equipment account is closed.

These vouchers should contain full particulars of the numbers of men, &c., and references to the paragraphs of these regulations or the authorized scales of expenditure covering the issues.

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(b.) *Ammunition authorized under paragraph 239.*

Vouchers will be prepared by units quarterly.

99. Articles required to replace stores lost or rendered unserviceable, and chargeable against the troops, will be demanded quarterly in accordance with paragraph 23; the unserviceable articles will be returned to the A.O.D., and the deficiencies written off charge on A.F. P 1925 at the end of each month. The value of the lost or unserviceable stores (*see* paragraphs 105 and 106) will be credited to the public in the pay list on A.F. P 1963. The equipment issue voucher for the stores struck off charge will give a direct reference to this credit, and the indent for stores in replacement will quote the equipment issue voucher.

100. Should any deficient article for which a charge has been made be subsequently recovered, a refund of the amount paid may be made if authorized by the G.O.C. The refund will be supported by a reference to the cash credit, and to the voucher and account by which the returned article has been brought on store charge.

101. When stores on equipment ledger charge are condemned by proper authority as unfit for further service, or are lost or damaged through no fault of the troops, the reports of the boards of survey, or other authority will be attached to the voucher by which the articles are written off charge. Any stores required to be replaced will be obtained as laid down in paragraph 86.

102. All stores disposed of locally under paragraph 55 will be written off charge in the equipment account by certificate voucher on A.F. P 1957. The regimental paymaster, through whom the matter has been adjusted, will duly certify this voucher, and the C.O.O. will approve it before the stores are delivered to the purchasers.

103. No articles of equipment will be transferred from one equipment ledger charge to another except as allowed by regulation, or under authority of the G.O.C., obtained through the C.O.O. Such transfers will be reported to the War Office, and supported in the accounts by vouchers upon which the authority for the transfer should be quoted. When either of the officers concerned desires that an O.O. should be present at the transfer, one will be directed to attend, if available, on application. The above does not refer to transfers of equipment from one C.O. to another on a change of command, which are governed by paragraph 13, nor to the transfer of mobilization equipment from one unit to another, on relief, under paragraph 188.

104. Os.C. the following detachments will become direct accountants for their equipment:—

(a.) Detachments left behind by units proceeding on active service.

(b.) Detachments serving abroad, and separated from their headquarters for lengthened periods, and by considerable distances.

(c.) Detachments of R.E. serving abroad belonging to companies serving at home, or *vice versa*. Detachments of R.E. serving at home, belonging to companies serving at home, will be governed by paragraph 28.

(d.) Detachments of the A.S.C., R.A.M.C., and A.O.C. stationed abroad.

(e.) Detachments of the A.P.C. at home and abroad.

On the formation of a detachment, a new account will be opened, and the equipment taken on charge by voucher from the unit or units furnishing the men. The G.O.C. will report to the War Office the circumstances rendering the opening of a fresh account necessary.

105. A soldier who, by neglect or culpable mismanagement, loses or damages any article of his personal equipment, will, unless he elects to be tried by court-martial, be charged as follows :—

(a) *Repairable damage* :—

Actual cost of repair, including both wages and materials or components. As regards small arms, the charges will be in accordance with the scale laid down in R.A.O.S., Part I., except that barrels slightly rusted inside will be thoroughly cleaned by the armourer at a charge of 4d. each.

(b) *Loss or damage beyond repair* :—

The proportionate value of the article for the unexpired period of duration, provided that (1) the maximum charge for any one arm shall not exceed 40s., (2) and the minimum charge shall not in any case be reduced below one quarter of the full value of the article, even though it has been in use for the full period of duration.

Twelve years will be taken as the period of duration for any article for which no period has been laid down ; and the unexpired period will be calculated in half-years, any period of less than six months being charged against the soldier as a full half-year. The rates upon which the calculations will be made are those laid down in the Priced Vocabulary of Stores.

106. Culpable repairable damage to equipment, other than personal equipment in possession of a soldier, will be charged for as in paragraph 105 (a). Charges for such equipment when culpably lost or damaged beyond repair will be made as in paragraph 105 (b) if the proportionate value can be estimated or ascertained ; if not, the full value will be charged. Any evidence as to the proportionate value will be recorded in the proceedings of the court of inquiry or other authority which investigates the loss.

Charges for deficient camp equipment will be assessed as directed in paragraph 308.

107. Provided that the amount charged against the soldier is in accordance with the rules of assessment laid down in paragraphs 105, 106, and 308, C.Os. may dispose of all losses, &c., under these paragraphs, except that—

(a) If the amount proposed to be recovered from any soldier exceeds £2, the approval of the G.O.C. must be obtained.

(b) If it is proposed to allow any portion of the loss (except in the case of a single arm valued at more than £2) to fall on the public the matter must be dealt with under the King's Regulations.

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108. The authority of the C.O.O. will be sufficient for any charge in the pay lists on account of equipment. When officers against whom claims are made have no cash account with the War Office, payment will be made by them to the command paymaster.

109. When articles are ascertained to have been lost by desertion they will be struck off charge by a certified copy of the proceedings of the court of inquiry (A.F. B 115), held under Section 72 of the Army Act.

110. If, on rejoining, a deserter is in possession of any of the articles found deficient on his desertion, these articles will be taken on charge in the equipment ledger.

111. A deserter rejoining will, by sentence of a court martial, or award of competent military authority dispensing with his trial, be liable to be placed under stoppages in order to make good the cost of replacing or repairing any articles found deficient or damaged on his desertion.

112. At the end of each month a return will be prepared on A.F. P 1963, showing the names of, and the amounts recoverable from, any soldiers liable to make good the cost of replacing or repairing articles of equipment under paragraphs 105 to 111. The stoppage returns will be made out by squadrons, batteries, or companies. In the cavalry and infantry the amount due from each squadron or company will appear in regimental orders for the month in which the stoppages are recoverable from the soldier, and will be credited in the pay list for the month, the returns being annexed as vouchers.

113. The order sanctioning the shooting of a glandered horse will be quoted as the authority for striking off charge portions of harness or saddlery destroyed in order to prevent infection.

114. The undermentioned articles will not be brought on charge in equipment ledgers of units or artillery store accounts:—

(a) Articles supplied to the garrison staff for local use.

(b) Camp equipment, which will be accounted for to the A.O.D. as laid down in paragraph 307.

(c) Boats, barges, launches and their appurtenances, which will be accounted for in the local transport equipment ledger (A.B. 165).

(d) Barrack stores not forming part of the fixed equipment of units, or issued by the A.O.D. for use in camps.

(e) Candles, oil and wick for lamps and lanterns, safety matches, disinfectants (These are A.S.C. supplies.)

115. Official books, printed records, and maps obtained from the A.O.D. will not be brought on charge in the artillery store accounts or equipment ledgers, but accurate lists thereof will be kept.

116. Accountants will furnish with their periodical accounts a certificate that the list or catalogue alluded to in paragraph 115 has been verified and corrected to date, that deficiencies through loss or otherwise have been reported to the War Office, and that the authority for striking such deficiencies off the list has been noted thereon.

117. On changes of heads of departments, staff officers, or C.Os., the officer assuming charge will verify the lists and report any deficiencies.

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SECTION III.—ARMS, ACCOUTREMENTS, AND ARM CHESTS.

A.—GENERAL SUPPLY OF ARMS AND ACCOUTREMENTS.

125. The arms and accoutrements supplied by the War Department to the regular forces consist of the articles given in the details for the respective services in E.R., Part 2.

126. Units will always have, during peace, arms and accoutrements for their full peace establishment.

127. Arms and accoutrements being regimentally marked may not be transferred from one unit to another except in time of war, and as directed in paragraphs 146 and 153.

128. Extra service arms, water bottles, and other accoutrements will be supplied in excess of regulated establishments to accounting units temporarily augmented. Arms so issued, being specially marked will not be taken abroad if supplied at home, and if supplied at stations abroad they will be returned into store before the unit leaves the station, unless it is necessary to send them away with armed drafts, in which case a return of the number of arms sent away and of their marking will be rendered by the C.O. to the A.O.D. These arms will be shown in returns and accounts as "extra service" arms, and will be given into store when the strength is reduced to the proper establishment, unless they are likely to be required again within a reasonable period.

129. Officers, W.Os., N.C.Os., and men for whom rifles are not issuable as personal equipment will, when required to perform musketry courses, be supplied, temporarily, with arms taken from those issued for the rank and file.

The same course will be followed when arms are required by such ranks for use at voluntary practice or at authorized rifle meetings.

G.Os.C. will be responsible that suitable regimental or local arrangements are made to govern these temporary loans, and that divided responsibility for any damage that may occur to the arms is prevented.

130. Drill purpose arms should only be demanded for the training of recruits, and in the case of infantry battalions should not be permanently retained, unless there is a reasonable prospect of their being required for frequent use.

They must not be used for ball firing, and no charge for damages will be made, except for such as are manifestly wilful.

131. Service swords will be used by cavalry, and "swords, practice, mounted corps" by other units for all exercises except mounted combat.

"Swords, practice, gymnasia" will be used for mounted combat by all units.

132. All the arms in possession of troops returning from service abroad, except from India, will be examined, as soon after arrival as possible, by a viewer specially detailed for that duty by the

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C.I.S.A. An application for the services of a viewer for this purpose will be made by the O.C. the unit concerned, through the G.O.C.

133. The viewer will report specially on the condition of the arms as regards their fitness for service, stating what repairs are necessary, and to what extent such repairs can be carried out regimentally. He will also report whether the damages to the arms have been caused by neglect, or by fair wear and tear due to exceptional service, or to the effects of climate.

134. In all reports relating to rifles, the number of the arm and the name of the factory at which it was manufactured will be stated. The number of the rifle and the name of the factory will be found stamped on the body.

B.—ARMS, ACCOUTREMENTS, AMMUNITION, AND STORES FOR TROOPS AND ANIMALS ON BOARD SHIP.

137. When a G.O.C. is notified from the War Office of the numbers of men and animals to be embarked for service abroad in a vessel commencing its voyage from a port in his command, he will cause full details to be immediately furnished to the C.O.O. nearest to such port.

138. The C.O.O. will—without indents from C.Os.—cause arms, accoutrements, ammunition, and other stores, in accordance with the scales prescribed in Appendix III, to be placed on board for the whole of the troops and animals to be embarked, regardless of whether they all join the vessel at the port from which it commences its voyage, or are subsequently embarked at other ports, and irrespective of the stations at which they may be located when detailed for embarkation. The date upon which the vessel will be ready for the reception of the stores will be notified from the War Office to the G.O.C.

139. Before the vessel leaves the initial port of embarkation, the O.C. troops will satisfy himself that the authorized proportions of ammunition, arms, equipment, clothing, and stores have been placed on board, and that the ammunition has been properly secured in the magazine.

140. He will be responsible for the care and custody of such stores during the voyage, and will see that they are duly accounted for in accordance with the following instructions :—

- (a) When an acting quartermaster-serjeant is appointed to the ship, the arms, ammunition, and other stores will, under the superintendence of the O.C. troops on board, be entered by him in A.B. 165 in the form of an equipment ledger (*see* Appendix I). On the termination of the final voyage of the season, the ledger will be balanced and forwarded to the local auditor. The stores remaining on charge will be handed over to the nearest ordnance depôt by the store accountant on board ship, issue

vouchers being passed. Books will not be accounted for in the ledger. They will be vouched "within the line" when issued from, and returned to A.O.D. store.

- (b) When an acting quartermaster-serjeant is not appointed, the C.O.O. at the issuing station will forward a list of the stores issued, to the O.O. at the terminal port of disembarkation, when this can be ascertained. The O.C. troops on board will, in all cases, give a receipt for the articles to the issuing officer, and will account for the stores to the O.O. nearest to the port at which the vessel completes its voyage.
- (c) In either case, (a) or (b), the O.C. will, when ammunition or any other store has been expended during the voyage, give a certificate that such expenditure has been necessary, detailing the circumstances. Deficiencies (including deficiencies of books) will be dealt with as laid down in the King's Regulations, except that small losses of games may be written off in cases where it is clear that the loss is not the result of wilful damage or neglect. Certificates relating to expended stores and correspondence respecting deficiencies, will be attached to the voucher bringing the remainder of the stores on charge in the A.O.D. accounts. If any stores are disposed of *en route* at intermediate ports, the O.C. will obtain temporary receipts and attach them to the original vouchers.
- (d) The destination of the troops will, where possible, be given by the issuing accountant on the voucher striking the stores off charge.
- (e) In the case of Indian transports, sums recovered from the troops in respect of losses or damages during the voyage will be credited as follows :—

- (i) At the end of the outward voyage { To the Presidency paymaster at Bombay, or to the paymaster at Karachi.
- (ii) At the end of the homeward voyage { To the local auditor nearest to the port of disembarkation.

All vouchers and claims in connection with (ii) will be endorsed in red ink "Indian Troop Service Accounts."

141. In addition to the articles detailed in Appendix III, the C.O.O. will arrange that 300 pairs of canvas deck shoes are placed on board each Imperial and each Indian transport. They will be handed over to the master of the vessel for sale to the troops as required, and will be accounted for by him to the Director of Transports, Admiralty. Immediately the shipment has been effected, the C.O.O. will furnish a report direct to the Director of Transports, Admiralty, upon a form similar to that shown in Appendix III. Deck shoes will not be placed on board freight ships.

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C.—SUPPLY FOR ARTILLERY CLERKS, ESTABLISHMENT FOR ENGINEER SERVICES, MILITARY POLICE, &c.

145. Arms, accoutrements, &c., will be demanded and accounted for in the case of :—

Artillery Clerks—by the O.C. the brigade or company to which they are attached.

W.Os. and N.C.Os. on the Establishment for Engineer Services, and Serjeant-Instructors of Gymnasias—by the staff (or other) officer under whom they are serving.

Military Police, Aldershot—by the Provost Marshal, Aldershot.

Military Police at other stations—by an accounting officer at the station, to be nominated by the G.O.C.

146. On change of station the W.Os. and N.C.Os. referred to in the preceding paragraph will take their arms and accoutrements with them, the necessary vouchers being passed between accountants.

On such W.Os. and N.C.Os. becoming non-effective, their arms and accoutrements will be returned to the nearest ordnance depôt.

D.—SUPPLY FOR ROYAL ENGINEERS (EXCEPT THOSE DEALT WITH UNDER PARAGRAPHS 145 and 146), ARMY SERVICE CORPS, ROYAL ARMY MEDICAL CORPS, ARMY VETERINARY CORPS, ARMY ORD-NANCE CORPS, AND ARMY PAY CORPS.

151. The arms and accoutrements of both mounted and dismounted men of the R.E. will remain on equipment ledger charge of the several units, and will not accompany the men on transfer.

152. The arms and accoutrements of mounted N.C.Os. and men and the mechanical transport branch of the A.S.C. will remain on charge of the companies, and will not be transferred with the men.

153. The arms and accoutrements of :—

A.S.C. ... All W.Os. ; all dismounted N.C.Os. and men except mechanical transport branch ;

R.A.M.C. ... All ranks ;

A.V.C. ... { All ranks except those proceeding to or return-
ing from South Africa ;

A.O.C. ... { All ranks except armourers and armament
artificers ;

will in all changes of station be taken with the W.Os., N.C.Os. and men, and will be transferred by regular voucher from one accountant to another.

Armourers and armament artificers of the A.O.C. will be armed and accoutred in the manner prescribed in E.R., Part 2, Section IV.

Their arms and accoutrements will be held on equipment ledger charge of the units to which they are attached. When armourers or armament artificers leave such units—

To proceed to India as drafts.—They should take with them the arms and accoutrements detailed in Appendix II.

On transfer elsewhere.—They should not take with them the items specially noted at the head of Tables 1 and 4, E.R., Part 2, Section IV, as to be retained permanently on charge of units.

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154. When W.Os., N.C.Os. or men referred to in the preceding paragraph become non-effective, the surplus arms and accoutrements will, unless required at the station under paragraph 155, be forwarded "in transit" through the A.O.D. to dépôts as follows :—

A.S.C., to dépôts at Aldershot :—

Supply	... ..	"A" Co., A.S.C.
Mechanical transport	... ..	No. 52 Co., A.S.C.
Mounted warrant officers	... ..	No. 1 Co., A.S.C.

R.A.M.C., to dépôt at Aldershot.

A.V.C., to depot at Woolwich.

A.O.C., to dépôt at Woolwich.

The articles will be charged by voucher direct to the dépôt, and the consignor will be held responsible that they are properly packed, and the arms sufficiently protected by "composition preserving arms" (to be obtained, if necessary, from the A.O.D.), in order to prevent damage by rust in the event of any delay in transit occurring.

155. Surplus arms and accoutrements will not be sent home by O.C. detachments abroad if there is a probability of vacancies being filled up by the transfer of men from other corps at the station.

156. The arms and accoutrements of the A.P.C. will be demanded and accounted for by the accountant under whom the men are serving, and will be dealt with as directed in paragraph 146.

In the case of a promotion necessitating a change of arms and accoutrements, the change will be carried out locally.

E.—DRAFTS PROCEEDING TO OR RETURNING FROM INDIA AND COLONIAL STATIONS.

I.—INDIA.

158. The arms and equipment of such drafts will be dealt with as laid down in Appendix II.

II.—COLONIAL STATIONS.

159. Except as otherwise provided for, W.Os., N.C.Os. and men proceeding as "drafts" should, under ordinary circumstances, proceed unarmed, but each should take the following items of equipment :—

Waterbottle with carrier or strap.

Haversack.

Mess-tin and cover or strap.

When any amendment to the foregoing is necessary, special instructions will be issued by the War Office.

F.—SUPPLY OF ARTICLES FOR MUSKETRY INSTRUCTION.

161. Articles for musketry instruction will be supplied in the proportions shown in the several sections of E.R., Part 2.

They will be accounted for as equipment and returned into store upon embarkation for active service.

(Eq. R. 10070)

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G.—SUPPLY OF ARM CHESTS.

162. Regimental arm chests or cases, with hinges, suitable for the packing of rifles are issued by the A.O.D. for use during peace as ordinary equipment, at the rate of one chest or two cases for each company of garrison artillery, R.E. unit, and company of infantry, and two chests or four cases for each squadron of cavalry. The cost of the repair of the chests or cases will be defrayed in the manner laid down in the Allowance Regulations. These packages will only be supplied to the above-mentioned services, and the chests will be returned to store prior to embarkation for India, and cases drawn as required.

SECTION IV.—REGIMENTAL TRANSPORT.

165. The vehicles, harness, saddlery and packsaddlery allowed to infantry battalions during peace under E.R., Part 2, Section I, are issued for instruction in transport duties, but they will be kept at all times fit for active service.

166. On change of station this equipment and also shoeing tools will be transferred to the relieving unit. In case of delay in the relief of one unit by another, the G.O.C. will arrange for the equipment to be temporarily transferred to the charge of another unit at the station or returned to A.O.D.

When necessary, this equipment may accompany units to camps, manœuvres, etc., under instructions from the G.O.C.

167. The equipment will be kept in repair by the regular artificers of the troops at the station, as the G.O.C. may direct, under paragraphs 450 and 454. Materials for the repair of harness and saddlery in use with regimental transport will be supplied in the proportions detailed in Appendix XI. When private tradesmen are employed, a certificate to that effect is required on the claim, which may be paid, subject to audit, without special reference to the War Office.

SECTION V.—MOBILIZATION EQUIPMENT.

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172. The latest print of a mobilization store table published by Army Orders may be accepted as a correct summary of the mobilization and war equipment of the unit to which it refers.

The mobilization store table will be accepted as the sole authority for the war equipment of a unit which does not exist in peace.

173. When mobilization equipment is in regimental charge, the C.O. will be responsible to the G.O.C. that it is correct in every respect, and fit for service; that the instructions given in Regulations for Army Ordnance Services, Part I, as to custody and arrangement of mobilization stores are carried out with regard to it, and that, subject to the exceptions referred to in paragraphs 174 to 177, no portion of it is taken into use without special War Office authority obtained through the G.O.C.

174. The G.O.C. may sanction the temporary use of vehicles belonging to their mobilization equipments by units in the following circumstances :—

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- (a) When required to replace similar peace equipment vehicles which cannot be used until repaired.
- (b) Water carts, small-arm ammunition carts and limbered wagons when required for use on field days, at manoeuvres or at camps of instruction.

These vehicles may only be used by the particular units for which they have been provided. Care will be taken that they are returned to store in a thoroughly serviceable condition when no longer required for use. (See paragraph 3.)

175. Special articles of the technical equipment of R.E. units, the fitness of which for service can only be verified and maintained by occasional use, may be used at the discretion of the O.C. the unit, to ensure that they are kept in a thoroughly serviceable condition and ready for immediate work, but their use is to be restricted to the purposes of the foregoing requirements, and they are to be kept quite separate from the peace equipment ; a book is to be kept by the O.C. the unit, in which is to be recorded a list of the stores tested and used, the character of the tests, the period for which the stores have been used, and the condition after testing or use.

176. "Bags, saddle, ammunition" may, when required, be used by cavalry regiments during field firing and reconnaissance work.

177. Once in each year the mobilization equipment in charge of units (except Q.F. ammunition, harness, saddlery, and pack-saddlery), and where circumstances admit of it, the mobilization equipment held for units by the A.O.D. (with similar exceptions), will be drawn by them, and be retained for a period not exceeding 14 days. During this period each unit will be practised in packing its vehicles, the whole war outfit being completed as far as practicable. Empty cases or dummies will be used on these occasions to represent any articles which are not available in the district, and old blankets in rolls of 20 as well as old camp kettles will be issued if possible in lieu of the new articles.

At the end of the course the unit will perform a route march with its transport packed as for service if arrangements can be made for horsing the vehicles, the horses and harness of other units in the command being utilized for this purpose. Harness and saddlery stored as mobilization equipment is not to be used during peace.

178. Mobilization equipment in charge of units will be kept entirely separate from the peace equipment ; on a unit quitting the station the mobilization equipment will, in the absence of an order to the contrary, be handed over to the relieving unit.

179. Mobilization store tables of the latest editions will be kept with the equipment of units, and O.C. units whose mobilization equipment is in charge of the A.O.D., will always have copies of these tables in possession.

(Eq. R. 10070)

180. When mobilization equipment is in charge of the A.O.D. at or near the station of the unit, the C.O. will inspect and check the equipment for his unit within one month of arrival at the station, and subsequently once annually, and satisfy himself that it is complete and serviceable. Should any serious omissions or imperfections exist, he will at once report them to the G.O.C.

C.Os. will arrange the date for these inspections with the C.O.O.

181. C.Os. having mobilization equipment in charge, and those who are able to inspect their mobilization equipment in A.O.D. charge, will attach a certificate to A.F. B 89 or B 90, which is rendered half-yearly, stating the date on which they last inspected the equipment.

182. On mobilization being ordered, the store table will be the guide as regards the articles of equipment which a unit takes with it into the field. It is therefore of great importance that not only the mobilization equipment of units, but also such of their peace equipment as is, according to the store table, required for war, should be at all times complete and serviceable.

183. O.C. units holding mobilization equipment will render a return of the deficiencies in such equipment, on A.F. G 1080, to the C.O.O. of the area, half-yearly, on the 15th April and 15th October.

184. A monthly report on A.F. G 919 of the action taken to carry out alterations to patterns of stores held in mobilization equipments ordered by List of Changes, Army Orders or other War Office authority, will be rendered by O.C. units having these equipments in their charge to the C.O.O. of the area.

185. As regards the turnover of mobilization equipment, when new articles are required to replace unserviceable ones in the peace equipment, indents should be forwarded to the A.O.D. in the usual manner, but it should be stated thereon which of the articles demanded can be transferred from the mobilization equipment. The C.O.O. will notify which of the articles may be transferred from mobilization to peace equipment to meet the indent, but no stores should be so transferred until similar articles from ordnance depôts are actually on the spot to replace them. The C.O.O. will also arrange for articles which are issued from the mobilization equipment being marked with the date of issue before transfer to peace equipment takes place.

186. The turnover of ammunition for Royal Horse, Field and Heavy Artillery stored in ammunition columns and battery equipments at home, will be carried out on the following lines:—

When in the same command, batteries will obtain their supplies from the brigade or battery ammunition columns so far as possible, and the balance from the divisional ammunition columns.

In a similar way brigade or battery ammunition columns will be filled up from divisional ammunition columns, which in turn will be completed from the ammunition parks if located in the same command.

In all other cases the ammunition will be demanded from the D.D.O.S., who will arrange supply.

Ammunition of the oldest date of manufacture is to be issued except in the case of 13 and 18-pr. Q.F. ammunition and 4.5 inch Q.F. cartridges, when the oldest date of manufacture of cordite will be the governing factor. Steps will be taken to ensure that, as far as possible, the newer ammunition to replace such withdrawals is available in the commands before the columns are depleted. In the event of supplies not having been received, issues will not, however, be delayed.

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When any particular lot of cordite is being used, cartridges that have been tested should, if possible, be amongst the first fired, as they are not to be re-tested. Such cartridges are marked "Tested" and the packages are marked "Contains tested cartridges."

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187. When sanction is given by the War Office for the transfer of mobilization stores from A.O.D. charge to the custody of a unit, the O.C. the unit will be responsible that the stores are arranged in accordance with the regulations (*see* paragraph 173), and will, if necessary, apply to the C.O.O. for skilled departmental labour for carrying out the service in the first instance.

188. When mobilization equipment is handed over to a relieving unit, vouchers will be passed in the usual way, and should any discrepancies exist, full explanation of each will be afforded by the O.C. the outgoing unit.

189. All vehicles and spare wheels in possession of units as mobilization equipment will be inspected once every three years by A.O.D. artificers under the immediate supervision of the I.O.M.

All harness and saddlery held by units as mobilization equipment will be inspected at similar intervals by an inspector or artificer of the inspection branch.

A permanent record showing :—

- (a) The dates (year and month) of all inspections;
- (b) The dates (year and month) on which harness and saddlery were last dubbed, lacquered, &c.,

will be kept on A.F. G 1089, which should be affixed to an inventory board to be hung up in each storehouse.

190. The instructions for the preservation of harness and saddlery given in R.A.O.S., Part I., will be followed for the harness and saddlery of mobilization equipment. Special attention should be paid that the saddlery and harness is kept properly dubbed and in good condition.

Cleaning materials according to the following scale will be allowed for this purpose :—

Description.	Annual proportion for each		
	10 sets of harness (double).	10 sets of saddlery.	10 sets of pack-saddlery.
<i>Section No. 9A.</i>			
Dubbing (a) ... lbs.	2	1	1
Naphthalene (b) ... ozs.	5	2½	4
Oil, sperm ... qts.	2	½	½
Tallow (a) ... lbs.	½	¼	—
Varnish for bright work (a) ... pints	½	⅙	⅙
<i>Old Stores.</i>			
Linen or cotton, old ... lbs.	1	½	½

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(a) May be drawn biennially or triennially as required to meet the periods in which the articles are to be treated.

(b) These quantities are only inserted as a guide in preparing indents; supply may be made as local circumstances require under the authority of the G.O.C.

191. The proportion of sizes, &c., of various articles of harness and saddlery to be stored in mobilization equipments for use with registered horses—with instructions relating thereto—are detailed in Appendix XIII.

192. Spare articles on peace charge if liable to be expended during peace, are not to be regarded as being available on mobilization.

193. Inventory forms (A.F. G 1096 series containing printed lists of components, accessories, &c.) will during peace be pasted on inventory boards issued with vehicles allotted to units as war equipment.

194. Os.C. units will be held responsible that the stores for cleaning, preservation and repair of mobilization equipment are actually in possession, and will sign the certificate to that effect at the end of the equipment ledgers.

They will not be taken into use until units arrive at their places of assembly or war stations, previous to which their requirements will be met as follows. Units existing in peace will use up the balance of their peace supply. Units that do not exist in peace (or units not having a sufficient balance of their peace supply) will be provided for on the peace scale under the authority of the G.O.C.

195. Sixty nails will be stored with every set of horse shoes held with mobilization equipments.

196. Os.C. depôts will be held responsible for the care and safe custody of such arms and accoutrements as may be kept in store at the depôts for issue to the army reserve. These stores will not under any circumstances be taken into use without

previous authority from the War Office, and will be accounted for in a separate equipment ledger.

197. The accoutrements of reservists (together with the clothing and necessities referred to in Appendix XII, Clothing Regulations, Part I) will be stored by sets in pigeon holes. A.F. G 1090, giving the name and number of the man, and particulars of the personal equipment stored for him, will be placed in the frame which is provided for A.F. H 1117.

A label (A.F. D 488) showing the number, name and unit of the reservist will be attached to each kit bag. The reverse side of the label will be completed, on mobilization, as regards the address of the unit which the reservist is to join.

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198. Arrangements will be made for the examination of arms stored for reservists to ensure that each individual one is inspected, and re-oiled on the outside, at least once in every three months. The insides of the barrels should be wiped out, examined, and re-greased with the diluted composition referred to in paragraph 199 once in 18 months; but if any appearance of rust be observed in the muzzles at the quarterly inspections, such barrels should be immediately wiped out and well re-greased, steps being taken to have them at once examined by an armourer. The services of the N.C.Os. of the regular establishment of reserve battalions may be utilised for the performance of this work. These reserve arms will also be periodically inspected by viewers detailed by the C.I.S.A. (see also paragraph 484).

199. The annual allowance of materials for the care and preservation of arms stored for army reservists, will be as follows:—

Composition, preserving arms	lbs.	16	} For every 1,000 stand of arms.
Oil, petroleum, lubricating...	galls.	1½	
Flannelette	yards	38	
Sheeting, old... ..	lbs.	10	

The "composition, preserving arms" should be diluted with "oil, petroleum, lubricating" (one part of composition to two parts of oil), and applied to the insides of barrels, and to that portion of the rifle holder which comes into contact with the rifle. "Oil, petroleum, lubricating," alone will be used for the working parts of the action and for the exterior of the barrels.

200. An allowance of composition, brown leather, at the rate of—

1½ lbs. per 100 sets per annum for Royal Horse and Field Artillery;

3 lbs. per 100 sets per annum for other units,

will be made for the preservation of brown leather accoutrements stored for reservists. An application of the composition once a year will, in ordinary circumstances, be found sufficient. The composition should be applied as directed in paragraph 506. Soap should not be used for this purpose.

SECTION VI.—MACHINE GUNS.

205. Machine guns—

- (i.) Will be issued to stations at home and abroad to form part of the armament available for general or local defence. In cases where these guns would be liable to deterioration if left mounted, they should be kept in their chests in store, ready for immediate use.
- (ii.) Will be issued to units and schools of instruction as detailed in the various sections of E.R., Part 2.

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206. Machine gun equipment (*i.e.* gun, spare parts, mounting, and appurtenances peculiar thereto) on peace charge of cavalry and infantry units will, on change of station, be disposed of as follows :—

(a.) *To accompany the unit—*

- (i.) On moves within home or colonial commands.
- (ii.) On moves between home commands.

(b.) *To be handed over and vouched to the relieving unit—*

- (i.) On moves between home and colonial commands.
- (ii.) On moves between colonial commands.

207. Gun chests will be retained only when required for the storage of—

- (i.) Armament guns kept “boxed” under paragraph 205 (i).
- (ii.) Guns held with mobilization equipments.

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208. Maxim machine guns in possession of cavalry, mounted infantry, and infantry units, as part of their regimental equipment, will be provided with four barrels, including the one in the gun, *viz.* :—

- (i.) Two new barrels distinguished by a band of white paint round the centre, to be kept in mobilization store and taken into use on mobilization, one in the gun and one as spare.
In the case of units not provided with mobilization equipment these barrels will be held with the gun.

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- (ii.) One serviceable barrel for use in peace, for ball firing only. To be returned to store on mobilization.

- (iii.) One D.P. barrel for use in peace for drill purposes, or for firing blank only. To be returned to store on mobilization.

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Guns not used in peace should not be provided with barrels under (ii) and (iii).

209. Maxim machine guns held on armament charge will have—

- (i.) One mobilization barrel.
- (ii.) and (iii.) As in paragraph 208.

210. To ensure that machine guns are kept in readiness for immediate service, they will be examined periodically as under, by an armourer or armament artificer who has been through a machine gun course at Enfield Lock, and any necessary repairs which can be done locally will be carried out :—

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- (a.) *Guns on charge of regular units (including armament)*—Monthly.
- (b.) *Guns on charge of Special Reserve units*—As detailed in E.R., Part 2, Section XVI.
- (c.) *Boxed machine guns*—Working parts will be oiled quarterly and the gun examined generally. Once a year the gun will be stripped and thoroughly examined.

When an armourer or armament artificer is not available the service will be carried out under arrangements to be made by the C.O.O.

211. To facilitate the examination, &c., each armourer and armament-artificer will be supplied with 3 dummy cartridges for each nature of gun under his charge.

212. When the shooting of a gun falls off, and the barrel appears worn, a diagram of 10 shots will be taken at 500 yards (three shots being first fired as trial shots in order to give the barrel a chance of settling down, and due care being taken that the gun is secure on the mounting).

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If the figure of merit exceeds 1.50 feet for 500 yards the O.C. will at once indent for another peace barrel, and, on receipt, will forward the doubtful barrel to the C.I.S.A., in the manner directed in paragraph 214, for final sentence.

213. When any part, other than a spare part, of a gun mounting (cone, parapet, infantry, or tripod) becomes unserviceable, the part should, if possible, be replaced by one of local manufacture. In fitting the part to the mounting the latter should not be altered.

214. When machine guns, mountings or equipment require more extensive repair than can be carried out locally, the C.O.O. of the area will arrange for their despatch to Woolwich or Enfield Lock, as directed in Regulations for Army Ordnance Services, Part I.

A.O. 229
1911

215. The C.I.S.A. will arrange for machine guns in possession of units at home, except those forming part of the approved armament of a station, to be examined annually by a viewer from his department.

A.O. 315
1910

216. A memorandum of examination, or history sheet, will be issued with each gun. It will be carefully preserved, and will be handed over with the gun to which it relates, whenever the latter is transferred from the charge of one officer to that of another. An immediate record will be made thereon of any accident which

may occur to the gun, and the result of each official examination which it may undergo. On every occasion on which the gun is fired, the number of rounds will be inserted, the number of the barrel being shown.

217. When practice with armament machine guns is carried out from works on sea fronts, a No. 2 or 3 target taken from a set of high speed targets, rigged up with a cross frame and webbing, and moored similarly to a floating target will be used. For practice on land, the artillery 6 feet fir target will be used.

218. Spare parts and tools are issued (in a box) with each gun. The parts issued with the gun should be used until actually unserviceable, when the spare articles should be taken into use, and the unserviceable returned to store, demands being at once put forward to replace them.

219. Materials for cleaning and oiling machine guns and their mountings will be supplied in the following proportions:—

A O, 113
1910

	Per Maxim Gun and Mounting.		
	Peace. Per annum.		War.
	For guns in use.	For guns in store.	
Composition, preserving arms lbs.	—	1½	—
Dubbing "	½	—	½
Flannelette yds.	11	6	8
Linen or cotton, old lbs.	3	—	3
Oil, { mineral, burning pts.	½	—	½
petroleum, lubricating "	8	—	2½
Soap, yellow bars	4	—	4
Turpentine pts.	1	—	½

220. The following will be allowed to each store in which machine guns are kept or dealt with, and will be replaced when necessary:—

Flannel (old blanket is very effective) 1 square yard.
Wick, common (A.S.C. supply) 8 ozs.
Twisted copper wire 1 rod, 42 inches long, of wire 0·1 inch diameter, in a double twist.

SECTION VII.—AMMUNITION.

A.—SERVICE SMALL-ARM AMMUNITION.

225. Service small-arm ammunition will be supplied in time of peace at the rates laid down in the various sections of Equipment Regulations, Part 2, and should always be in possession of the troops, except when returned into store as directed in paragraph 67.

226. On mobilization the quantities will be increased by the additional rounds, if any, laid down as the regimental reserve for war. The latter quantities will be held with their mobilization equipment, but in the case of units not provided with this equipment the ammunition will be taken from the reserves held on A.O.D. charge in the district in which the unit mobilizes, issued to it at the place of mobilization, and taken to the war station. If, however, the war station is in the district in which the unit mobilizes, this issue of ammunition may be arranged for at such station as the G.O.C. may direct.

A.O. 290
1909

The place of storage in peace, and any detailed arrangements for supply to the troops on mobilization, will be laid down in the local mobilization orders and defence schemes.

All units will be kept informed in peace of these arrangements so far as they are concerned.

227. In cases of emergency the ordinary supply of service ammunition can be increased to such additional quantity as the G.O.C. may consider necessary.

228. Extra issues of ammunition remaining unexpended will be returned to the A.O.D. on the termination of the service that necessitated the supply.

229. All ammunition that is not in actual use will be kept in the regimental magazines in charge of the quartermaster.

54
Egypt
468

230. Pistol ammunition will be allowed in accordance with the following scale for officers proceeding on active service :—

Branch of the service to which attached.	Number of rounds per officer.
Cavalry	36
Royal Artillery	24
Royal Engineers (other than railway company) ...	36
Railway Company, R.E.	12
Mounted Infantry	36
Infantry	36
Army Service Corps	24
Royal Army Medical Corps	24
Army Veterinary Corps	12
Army Ordnance Department	12
Other officers not specified above	12

A.O. 211
1910

B.—SMALL-ARM AMMUNITION FOR PRACTICE AND EXERCISE.

8
Equipmt. 388

234. Units may expend annually the following quantities of ball and aiming tube ammunition for each man who commences the courses prescribed for recruits and trained soldiers.

These allowances are intended to cover requirements for testing rifles in the manner authorized in the Musketry Regulations.

At the discretion of C.Os., aiming tube cartridges may be exchanged for ball ammunition, or ball ammunition in excess of quantities required for carrying out the prescribed musketry courses may be exchanged for aiming tube and blank ammunition—always provided the money value of the ammunition issued in exchange does not exceed that of the ammunition surrendered in lieu.

A.O. 137
1909

303-INCH BALL, AND AIMING TUBE AMMUNITION.

	Rounds.			
	For each trained soldier.	For each trained soldier, rank and file only.	For each recruit (officer or man).	
			Ball.	Aiming tube.
Cavalry	250	10	200	50 (a)
Artillery (including local companies of R.G.A.) ...	40	10	50	20 (a)
Engineers (other than drivers) ...	110	10	150	50 (a)
Engineers (drivers only) ...	40	10	50	20 (a)
Infantry	250	10	200	50 (a)
Infantry reservists training with units of the special reserve ...	80	...	...	...
Infantry reservists, ordinary training	31 (c)	...	...	...
A.S.C.	40	10	50	20
R.A.M.C.	40 (f)	...	30 (e)	...
A.O.C.	40	10	50	20
Mounted Infantry	20 (b)	...	...	...
M.M.P., Egypt	90	...	...	...
Regular establishment of special reserve unit	(d)	(d)	...	...
A.V.C.	40 (f)	...	30 (g)	...

(a) May be drawn at dépôts if G.O.C. considers it necessary.

(b) In addition to the quantities drawn by men in their own battalions.

(c) Should a reservist fail to reach the standard prescribed in Army Orders additional ammunition will be allowed to admit of the practices being once repeated.

(d) See Equipment Regulations, Part 2, Section XVI.

(e) Dépôt only. (f) South Africa only. (g) Untrained officers and men only.

235. Every soldier of cavalry, R.E., and infantry, of the regular forces, in the first year of his service, may fire the proportions of ball and aiming-tube ammunition allowed for a recruit, together with those allowed for the trained soldier. If a cavalry, R.E., or infantry recruit is ordered to repeat the elementary practices of his course of musketry, the number of rounds already expended by him will not be deducted from the allowance, but will be allowed in addition thereto.

236. Units may expend annually the following quantities of .303-inch ball ammunition for each officer shown below who is exercised in musketry during the year :—

Rounds			
Cavalry	...	...	160
Artillery	...	...	40
Engineers	...	...	100
Infantry	...	...	160
Army Service Corps	...	...	40
Army Ordnance Corps	...	...	40

for each squadron
and company com-
mander, and for
each officer below
field rank doing
duty with a unit.

These scales do not apply to recruit officers, who are provided for under paragraph 234.

237. In addition to the quantities allowed under paragraphs 234 and 236, the following proportions of .303-inch ball ammunition may be issued :—

(a) For field inspections, and in aid of combined field firing, to be drawn only on the order of the G.O.C. a station or district—

Cavalry regiment	...	...	1,000 rounds per annum
Infantry battalion	...	...	4,000 " "

(b) For C.O.'s verification, when necessary, of the accuracy of marking in the annual musketry course (*see* Musketry Regulations)—not exceeding 250 rounds per squadron, battery, company, or similar unit.

(c) For use at command or district rifle meetings :—

	Number of rounds per officer and man (Regulars and Special Reserve).	Calculated on the effective strength of the Command or District on—
Aldershot and London ...	5	1st June.
Other commands at home	3	1st June.
Commands abroad ...	3	1st January.

This allowance will be drawn by and expended under the orders of the officer in charge of musketry duties or other officer deputed by the G.O.C. to undertake the administration of the rifle meeting. It will not be drawn by units.

(d) Eighty rounds may be issued for each officer and N.C.O. of the R.A. and A.S.C., and each officer of the A.O.D. and N.C.O. of the A.O.C., detailed by the G.O.C. for attachment to infantry battalions to undergo a course to qualify themselves as instructors in musketry.

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A.O. 111
1911

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3418

A.O. 137
1909

A.O. 315
1910

A.O. 47
1912

A.O. 111
1911

The proportion of R.A. instructors for whom the allowance may be drawn will be :—

R.H.A. brigades	...	} 1 officer and 1 N.C.O. per brigade.
R.F.A. "	...	
R.G.A. heavy brigades...	...	
R.G.A. other than heavy	...	

A.O. 47
1912

brigades	...	...	2 officers and 2 N.C.Os. per station at :—
----------	-----	-----	--

Golden Hill, Isle of Wight.
Plymouth.
Portsmouth.
Gibraltar.
Malta.

1 officer and 1 N.C.O. per station at :—

Alderney.
Dover.
Gosport.
Jersey.
Landguard.
Leith.
Pembroke Dock.
Portland.
Sandown, Isle of Wight.
Sheerness.
Shoeburyness.
Bermuda.
Cape Town.
Ceylon.
Hong Kong.
Jamaica.
Mauritius.
Sierra Leone.
Simonstown, C.C.
Singapore.

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1912

1 officer and 3 N.C.Os. at Cork.
1 officer at Londonderry.

238. Subject to any special orders which may from time to time be issued from the War Office, the small-arm ammunition to be expended at practice will be taken from that already in possession of troops as service ammunition, and that received from A.O.D. for practice, in the following order :—

- (i) The contents of broken boxes, viz., boxes, the tin linings of which have been opened.
- (ii) Ammunition rebundled or repacked at stations other than Woolwich.
- (iii) Ammunition examined and rebundled at Woolwich, the original date of which is not known. Boxes containing this

ammunition bear the words "EXAMINED (year)" on the labels. This ammunition will be used up in the order of the date of examination.

- (iv) Ammunition examined and rebundled at Woolwich, the original date of which is known. Boxes containing this ammunition bear the original date of the ammunition, with the addition of a white label (placed diagonally across the old label), on which are the words "EXAM^d (year) SERV^{ble}." This ammunition will be used up in the order of the date of manufacture.
- (v) Ammunition not specified above, the oldest date of manufacture being used first.

Specimens of the labels used in the cases referred to in subparagraphs iii, iv and v, above, will be found in Appendix XXVIII.

Aiming tube and blank .303-inch ammunition will be expended in order of the priority of date of manufacture.

The linings of boxes are not to be disturbed until the ammunition is actually required for use.

239. On the 1st July in each year all regular units will render to the A.D.O.S. of the command a return showing the actual strength of W.Os., N.C.Os. and men on that date, and also the number of rounds of blank .303-inch ammunition (except that authorized under paragraph 256) actually in possession of the unit.

From these returns the A.D.O.S. will compile a consolidated statement, in duplicate, showing the quantities in possession of each unit, and the quantities issuable for the year, the latter being calculated on the following basis :—

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1910

	Annual allowance of .303-inch blank ammunition per W.O., N.C.O., and man on the strength on 1st July.			
	Aldershot Command.	Southern, Eastern, Irish and South African Commands.	Other Commands at Home, and Egypt.	Other Foreign Stations.
Cavalry	80	80	45	...
Infantry and Mounted Infantry	150	100	65	50
Infantry and Mounted Infantry Schools. Additional for men under training	80	80	50	50
Royal Engineers	10	10	10	10
R.A., A.S.C., and A.O.C.	5	5	5	5

This consolidated statement will be passed to the General Staff for the decision of the G.O.C.-in-C. as to whether the quantities shown in possession of units are to be allowed in whole or in part

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in addition to the quantities issuable for the year, or whether they are to be taken in diminution thereof. The decision will be recorded on the forms, one copy of which will be retained by the General Staff, and the other returned to the A.D.O.S., and will be the authority for the total amount of blank '303-inch ammunition to be issued in the command during the year.

The quantities to be allotted to the several units in the command will be communicated from time to time by the General Staff to the A.D.O.S., who will issue the necessary instructions to C.O.s. of areas, and at the same time notify to the General Staff what balance (if any) still remains available for allotment.

240. Blank ammunition issued under paragraph 239 which has been returned to store by a unit leaving the command will be available for re-issue to such other units as the G.O.C.-in-C. may direct.

At its new station the unit will receive such quantity of blank '303-inch ammunition out of the balance still available for issue in the command as may be directed by the G.O.C.-in-C.

Any part of the annual allowance of ammunition authorized under paragraph 239 not drawn from the A.O.D. by 30th June in each year will lapse. Quantities so forfeited may *not* be added to the allowance for the following year.

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1912

241. Five rounds of blank '303-inch ammunition may be drawn for each recruit of the R.A.M.C., for instructional purposes.

242. The following allowances may be drawn annually :—

(a) *Blank ammunition for training remounts.*

R.H. and R.F.A.	10 rounds per remount.	To be drawn by batteries as required.
R.E.	...	400 rounds. To be drawn by the Field depôt.
A.S.C.	Station	
Staff	...	Aldershot, 540 rounds. Manchester and Woolwich, 480 rounds each. Curragh and Dublin, 140 rounds each.

(b) *For the training requirements of the Cavalry School, Netheravon.*

Cartridges, small-arm	{	blank	{	'303-inch	...	...	30,000
				pistol, Webley	...	...	8,000
				ball, pistol, Webley	...	...	2,000

(c) *For training young horses at the R.A. Riding Establishment, Woolwich.*

Cartridges, small-arm, blank, M.H.	...	...	...	1,000
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243. The following scale of ammunition for practice with pistols will be allowed annually for each regular officer, W.O., N.C.O. and man serving with the regular forces or the special reserve, who is armed with a pistol in time of war :—

Corps.	Cartridges, small-arm, pistol, Webley.			A.O. 211 1910
	Ball.		Blank.† Every year.	
	First year.	Subsequent years.		
Cavalry	100	75	20	
Royal Artillery (Horse, Field and Heavy) *	100	75	10	
Royal Garrison Artillery	100	50	...	
Royal Engineers	100	50	10‡	
Infantry	100	50	...	
Army Service Corps	100	50	10‡	
Royal Army Medical Corps * (in- cluding Army Medical Service) ...	100§	50	...	
Army Veterinary Corps *	100	50	10	54
Military Mounted Police	100	50	20||	Police
Army Ordnance Department ...	100	50	...	1428

* Officers only.

† Issued solely for training in firing from the saddle.

‡ Mounted ranks only.

§ Recruit officers only.

| Egypt only.

244. C.Os. may obtain on repayment from the A.O.D. such quantities of small-arm ammunition as may be required for regimental purposes. Pistol ammunition will only be issued on repayment for the use of those ranks who are armed with the pistol on service.

Bandoliers and chargers issued with .303-inch ammunition will be charged for at vocabulary rates.

245. Units joining the Army Rifle Association may obtain .303-inch ammunition on repayment at half vocabulary rates provided that the quantity so purchased by any one unit does not exceed 7 rounds per annum per rifle on charge. The allowance may also be drawn for men borne on the establishment of schools of instruction, provided the "school" joins the Army Rifle Association.

Guards and Rifle depôts joining the Army Rifle Association may draw up to 1,000 rounds per annum at half vocabulary rates on account of each battalion.

An allowance of 10 rounds per rifle may also be drawn at half vocabulary rates for each W.O., N.C.O., and man of the regular establishment posted for duty with a special reserve battalion, provided that such regular establishment has joined the Army Rifle Association.

Bandoliers and chargers issued with .303-inch ammunition will be charged for at vocabulary rates.

246. Indents for practice and exercise ammunition will be sent to the C.O.O. in sufficient time to admit of the issue being made for the annual musketry practice. The quantities to be demanded in each year will be based on the number of

men in or attached to a unit who it is anticipated will commence the annual musketry courses.

247. The indent will be made, although at the time the unit may be under orders to leave the district. (See paragraph 248.)

248. Before leaving the station the C.O. will be furnished with a balance certificate on A.F. G 802, showing the amount of ammunition due to the unit on indent, and that returned to store under paragraph 67.

Blank .303-inch ammunition allowed under paragraph 239 will not be included on the form. (See paragraph 240.)

249. The expense vouchers referred to in paragraph 98 (a) must refer to the circumstances and authority under which the expenditure took place.

The quantities written off as expended must accord with the expenditure recorded in the unit's musketry return and its diaries of ammunition expended—Army Books 99 and 100. These books must be produced for audit when required.

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1910

250. The ammunition allotted to units by the G.O.C.-in-C. under paragraph 239 may be expended without further authority, it being sufficient to quote the number and date of the order allotting the ammunition.

251. Any of the annual supply of ammunition, other than that authorized under paragraph 239, which has not been drawn by the end of the musketry year for which it is allowed, will be forfeited, and any which has been drawn but not expended will be credited to the ammunition account for the following year. The musketry year at home stations will commence on 1st January; at stations abroad these dates will be varied as required. Permanent dates to meet climatic conditions must, however, be fixed for each command, and notified to War Office.

A.O. 137
1909

C.—MACHINE GUN AMMUNITION.

256. The annual proportions of ammunition for practice and exercise will be as detailed in the table below :—

		Cartridges, small-arm.	
		Ball.	Blank.
A.O. 229 1911	(1) For each unit of cavalry, mounted infantry, and infantry having machine guns actually in possession, not forming part of the armament of a station	17,500	1,000
A.O. 111 1911	(2) For each machine gun forming part of the approved armament of a station (home and abroad)	1,200	300
57			
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D.—GUN AMMUNITION FOR PRACTICE AND EXERCISE.

257. The annual allowances of gun ammunition for practice and exercise, with instructions relating thereto, are detailed in Part 2, Sections XI and XII.

E.—BLANK GUN AMMUNITION FOR REVIEWS, FIELD DAYS, SALUTES AND MANŒUVRES.

258. In addition to the allowances detailed in E.R., Part 2, Sections XI and XII, blank gun ammunition, as shown in the following table, may be issued annually to commands for use by Horse, Field, and Heavy Artillery at reviews, field days, salutes, and manœuvres.

The allocation of ammunition to units and to specific purposes will be made by the G.O.C.

Commands and districts.	Total number of rounds.	
Aldershot Command	11,000	
Eastern Command	4,000	
Irish Command	6,000	
Northern Command	1,000	
Scottish Command	500	
Southern Command	6,000	
Western Command	300	
London District	270	
Egypt... ..	500	57
South Africa... ..	2,600	Egypt
		736

Half black powder blank and half smokeless blank (for combined training and manœuvres) may be demanded in the case of 13-pr. and 18-pr. Q.F. guns at home stations.

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1910

259. An allowance of blank ammunition, not exceeding twenty rounds per piece annually, will also be allowed for all guns and howitzers in the movable armament and armament for the defence of land fronts (except such as are in possession of the territorial force), for reviews, field days, &c.

260. Any ammunition expended at inspections, reviews, salutes, field days, or manœuvres, in excess of the quantities detailed in paragraph 258 may be taken from that included in the annual allowance for exercise. Ammunition will not be expended as a charge against the training grant, nor, unless special instructions to that effect are received from the War Office, will expenditure of ammunition in excess of authorized allowances, to be met by a corresponding saving under the training grant, be incurred.

261. The ammunition year for the purpose of governing the issue and expenditure of blank gun ammunition, except that for guns on fixed mountings, will run from the 1st July to the 30th June.

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(EQ R. 10070)

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F.—CONVEYANCE OF AMMUNITION.

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1910

265. Neither gunpowder nor ammunition of any kind will be forwarded to an ordnance depôt until the officer forwarding the same is satisfied that the consignee is ready to receive it.

266. Whenever ammunition is conveyed in military vehicles, the loading will (if possible) be performed by the troops, who will be held responsible for its correctness.

267. When explosives are issued from an ordnance depôt and coverings are considered necessary, they will be supplied by the A.O.D. They will be returned to store immediately on completion of the service.

268. In the event of the orders existing in the district rendering a military escort necessary, the consignor will apply to the C.O. for the escort, stating the day and hour when it will be required, and, unless the transport is provided by the troops, the number of wagons or carts to be escorted.

269. Should the ammunition be forwarded by railway, or water carriage, and the escort not accompany it, the consignee will make arrangements for the attendance of an escort, if required, to meet the ammunition on arrival, and conduct it to its destination.

270. Officers in command of escorts will prohibit smoking near the wagons, and will see that none of the party have matches in their possession.

SECTION VIII.—HARNESS, SADDLERY, STABLE NECESSARIES, AND EQUITATION ARTICLES.

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1912

275. One set of saddlery will be supplied for the use of each officer entitled to the free issue of one or more public horses under the Allowance Regulations, and will be held on equipment ledger charge of the unit to which the officer belongs. This saddlery will not be transferred from one unit to another except in cases where it has been found necessary to supply special sizes of saddles for officers of exceptional physique; in such cases the special saddlery should always accompany the officers on transfer, the usual receipt and issue vouchers being passed between the units concerned.

276. The lamb skins or leopard skins issued with sets of officers' saddlery will be supplied without any edgings or facings. Regimental arrangements should be made for fitting the same, for which the following allowances will be drawn from the regimental paymaster:—

2s. 3d. for an officer of a mounted unit (the work being done by the regimental saddler).

3s. 6d. for an officer of a dismounted unit.

Payments will be charged against Vote 8, Equipment Stores, Harness and Saddlery.

277. Horse logs for use in conjunction with head ropes in billets on the line of march, will be demanded from the A.O.D. by Os.C. mounted units, and returned to store on arrival at their destination.

278. When units proceeding by sea are directed to take their harness and saddlery with them, it will be packed for shipment in corn or other suitable sacks (a four-bushel corn sack will hold one single set of harness or two sets of saddlery). Each sack should be marked in such a manner as will enable its contents to be easily identified on disembarkation, for this purpose three "brushes, sash, tool, No. 2" and three pounds of black paint per hundred sacks may be demanded.

The two sets of saddlery will be packed in the four-bushel corn sack in the following manner:—Detach numnah and stirrup irons. Fold numnah in four, and place it in hollow of seat between pommel and cantle. Wrap surcingle and strapping round. Lower the saddle front arch downwards into sack. Pack stirrup irons and bridle complete inside saddle, together with traces, in the case of R.A. and A.S.C. saddlery. Place saddle blanket on top.

The second set will be packed in a similar manner, except that the saddle seat will be on opposite side of sack to first one.

279. Stable necessities (including nose bags, corn sacks, and corn bags) will be supplied in the proportions laid down in the several sections of E.R., Part 2, for all horses the property of the public. Officers entitled to the free issue of one or more public horses, but permitted under the Allowance Regulations to provide their own horses for military duty in lieu, may also be supplied with the foregoing articles for each horse so provided. For hired horses, when employed on the public service, there may be issued 1 horse brush and 1 curry comb for every two horses, and 1 horse-rubber, 1 nose bag, and 1 sponge for each horse.

A portion of horse brushes may, at the discretion of C.Os., be commuted for dandy brushes. For commutation purposes five dandy brushes will be regarded as the equivalent of two horse brushes.

280. The stable necessities which are supplied annually need not, when unserviceable and replaced by fresh issues, be returned to store.

281. In the event of stable necessities becoming unserviceable before the expiration of the period of duration prescribed for them they must be replaced at the expense of the troops.

282. Saddle pannels are, as a rule, issued stuffed, but should it be advisable at any time to issue empty cases, they will be converted into pannels by the regimental artificers without charge, and 2 lbs. of horse hair will be supplied for stuffing each pair.

283. The following proportions of hair and flock, in addition to the annual allowance given in Appendix XI, will be issued with each pair of new stuffed pannels, if demanded:—

Pannels, luggage	$\frac{1}{2}$ lb. of horse hair.
Pannels, officers, or yeomanry pattern...	$\frac{1}{2}$ lb. of flock.
Pannels, packsaddlery	$1\frac{1}{2}$ lb. of horse hair.

A.O. 47
1912

284. One quarter of an ounce of quilting twine will be allowed for each pair of cases. No issues under one ounce will be made; the regimental supply will be made use of when smaller quantities are required.

285. Equitation articles will be supplied to mounted services in the proportions shown in the several sections of E.R., Part 2, and will be accounted for in the same manner as other equipment. The detail of a set is shown in Appendix XII.

SECTION IX.—HORSESHOES.

290. Horse and mule shoes will be issued for use during peace and will be stored with mobilization equipments of units on the following scale of sizes:—

ARTILLERY.—As detailed in E.R., Part 2, Sections XI and XII.

OTHER UNITS:—

Description.	Percentage of sizes for								
	Cavalry.			Mounted Infantry.			R.E., A.S.C., Infantry, Headquarters units, &c.		
	Home.	S. Africa.	Egypt.	Home.	S. Africa.	Egypt.	Home.	S. Africa.	Egypt.
Shoes, horse—									
No. 1, fore and hind	...	...	...	...	...	4	...	...	...
" 2 " " " " " " " " " "	5	...	...	20	...	...	...	...	...
" 3 " " " " " " " " " "	21	...	...	70	...	...	...	...	...
" 4 " " " " " " " " " "	35	...	2	10	...	...	4	...	...
" 5 { fore	28	...	16	...	...	...	28	...	...
" { hind, without calkins	28	...	16	...	...	...	14	...	...
" { " with calkins	...	...	...	...	...	...	14	...	...
" 6 { fore	9	4	14	...	...	...	32	8	8
" { hind, without calkins	8	4	14	...	...	...	16	4	4
" { " with calkins	1	...	...	...	...	...	16	4	4
" 7 { fore	1	...	1	...	...	...	24	...	...
" { hind, without calkins	1	...	1	...	...	...	...	...	...
" { " with calkins	...	...	...	...	...	...	24	...	...
" 8 { fore	1	...	...	...	...	...	8	...	...
" { hind, with calkins	1	...	...	...	...	...	8	...	...
" 9 { fore	...	...	...	...	...	...	4	...	...
" { hind, with calkins	...	...	...	...	...	...	4	...	...
Shoes, horse, light pattern—									
No. 2, fore and hind	...	1	34	...	41	19	...	8	8
" 3 " " " " " " " " " "	...	29	33	...	32	68	...	25	25
" 4 " " " " " " " " " "	...	46	...	...	19	10	...	34	34
" 5 " " " " " " " " " "	...	20	...	...	4	3	...	25	25
Shoes, mule—									
No. 11	...	30	10	...	30	10	10	28	10
" 12	...	40	15	...	40	15	15	32	15
" 13	...	30	20	...	30	20	20	29	20
" 14	...	...	25	...	...	25	25	11	25
" 15	...	...	20	...	...	20	20	...	20
" 16	...	...	10	...	...	10	10	...	10

General Instructions for the Supply of Shoes and Nails during Peace.

8
Equipment
290

291. Shoes and nails will be demanded quarterly as follows :—

SHOES.—*Cavalry, Artillery, Engineers and Army Service Corps.*

Not more, at any one time, than three sets for 50 per cent. of the horses on the strength of the unit.

Other units.

Not more, at any one time, than three sets for each horse on the strength of the unit.

NAILS.—*All units.*

Not more, at any one time, than three sets for each horse on the strength of the unit, plus (as spare) 10 per cent. of the number demanded as sets.

These numbers are regarded as normally sufficient for three months, and no additional issues will be made without a certificate from the veterinary officer, countersigned by the C.O., explaining the circumstances which have rendered additional supplies necessary.

Unless specially demanded, shoes will be issued to Cavalry, R.A., R.E. and Mounted Infantry in sizes as detailed in paragraph 290. Other units will demand sizes as required.

292. A spare set of shoes ready fitted for immediate use and with the proper complement of nails will be held by units for every public horse. These shoes will be used every quarter and replaced by new ones.

293. When units march from one station to another, one fore shoe (with nails) will be carried for each horse, and in the case of horses with brittle feet one hind shoe (with nails) in addition. C.Os. will arrange to send forward as heavy baggage, to such points in the line of march as may be most convenient any further numbers likely to be required on the march, not exceeding one set per horse for the entire strength, and will return the remainder (including any old shoes in possession) to store, or, if there is no ordnance dépôt at the station, hand them over to the incoming unit, in either case obtaining a receipt. The shoes removed from the horses feet on the march will be returned to store should opportunity offer, and a receipt likewise obtained for them, unless they can be conveniently carried by the regimental transport. When the route of the unit lies through an A.O.D. station, any shoes required will be drawn there, so as to obviate, as far as possible, the expense of sending shoes forward by rail. On the arrival of the unit at its destination a number of new shoes equivalent to those returned to store or handed over may be drawn, one new shoe being considered equal to two old ones, and the receipts above referred to being attached to the indent.

If the unit proceeds by rail from one station to another, one fore shoe (with nails) will be taken for each animal, the balance being returned to store or handed over to the incoming unit if there is no ordnance dépôt at the station, and others drawn in lieu as directed above.

294. Horses supplied free to officers entitled to them under the Allowance Regulations, and used solely for military purposes will be shod at the public expense.

295. All horses, the property of the public, for which a hiring charge is paid by officers under the provisions of the Allowance Regulations, and all horses the private property of officers, must be shod at the officers' expense. If the shoeing is performed in an army farriery, a charge of two shillings per set will be made against the officer concerned. This charge includes the cost of labour, fuel, and the necessary shoes or material and nails.

Monthly returns will be rendered by farriers to their C.Os. showing the number of officers' horses shod under the provisions of this paragraph, in order that the necessary credit may be given in the accounts of the command paymaster.

Shoes and nails will not be supplied from public sources on payment for officers' horses not shod in an army farriery.

296. Unless specially demanded, nails will be issued in the proportions shown in the following table :—

Table of Nails for Horse, Mule, and Pony Shoes.

Description of shoes.	No. of nails per set of shoes.	Description of nails to be issued.
Shoes, horse, (except light pattern)—		
Nos. 1 and 2	24	No. 6. 50% No. 6, 50% No. 8. 80% „ 8, 20% „ 10. 50% „ 8, 50% „ 10. No. 10. „ 13. „ 6.
No. 3	30	
„ 4	30	
„ 5	30	
„ 6	36	
Nos. 7 and 8	36	
„ 9 „ 10	40	No. 6. 90% No. 6, 20% No. 8. No. 8.
„ 22 „ 23	20	
Shoes, horse, light pattern—		
Nos. 2 and 3	30	No. 6. 90% No. 6, 20% No. 8. No. 8.
No. 4	30	
„ 5	30	
Shoes, mule—		
Nos. 11 and 12	24	No. 4. „ 6. „ 8. „ 4.
„ 13, 14 and 15	24	
No. 16	30	
Shoes, pony, No. 21	24	

297. On the 1st September in each year indents will be put forward by O.C. units at home (Jersey and Guernsey excepted) for frost nails in the following proportions :—

	No. of nails per horse.	
Cavalry... ..	40	8
Royal Artillery	40	Equipment
Royal Engineers	40	390
Infantry	60	
Mounted Infantry	40	
Army Service Corps	120	
Military Mounted Police	120	54
"Chisel head" nails (half large and half small) will be demanded for riding horses, and "snap head" for draught horses.		Gen. No.
The nails remaining on hand on the 31st March will be returned to store.		1166

Special Instructions.

Cavalry, Artillery, Engineers, and Army Service Corps.

298. One set of shoes per month will be allowed for each horse on the establishment. Fifty per cent. of the shoes required will be made in the forges of the units out of the worn-out shoes removed from the horses; any iron that may be required in addition will be supplied by the A.O.D. on the indent of the veterinary officer, countersigned by the C.O.

Infantry, Mounted Infantry, and Military Mounted Police.

299. One set of machine-made shoes per month will be allowed for each horse on the establishment. All worn-out shoes will be returned to the A.O.D.

At stations other than Aldershot the necessary arrangements for shoeing the horses of M.M.P. will be made by the O.C. the unit to which the horses are attached.

Forge and Shoeing Tools, &c.

300. Forge and shoeing tools for peace (except the barrack fixtures provided by the R.E.) will be drawn from the A.O.D. and held on equipment ledger charge.

The "chest, tool, filled, farriers and shoeing smiths," the detailed contents of which are given in Appendix V, contains one set of forge and one set of shoeing tools. The proportions in which the chests will be supplied are as follows:—

Cavalry regiment	6	
Cavalry school	2	A.O. 202
Signal company or signal squadron R.E. ...	1	1909
Field troop R.E.... ..	1	
Field company R.E.	1	
Search light company R.E.	1	
Air battalion R.E.	1	
Training dépôt, R.E.	1	
Mounted infantry battalion	4	
Horse transport company, A.S.C.	1	
M.M.P., Aldershot	1	
Mounted infantry school, Longmoor ...	1 per company.	A.O. 47
		1912

Additional sets of shoeing tools will be supplied to make the total number on charge equal to, in the case of—

Cavalry regiments—

1 per farrier serjeant, corporal shoeing smith and shoeing smith, and one spare set per squadron for instructional purposes, this set to include two aprons, basil.

A.O. 202

1909

Cavalry school 6 sets.

R.A. units ... As detailed in E.R., Part 2, Sections XI and XII.

Mounted infantry battalions—

1 per farrier serjeant and shoeing smith, and one spare set per company for instructional purposes, this set to include two aprons, basil.

A.O. 47

1912

Mounted infantry school, Longmoor—

1 per farrier serjeant and shoeing smith.

Army Service Corps—

Horse transport service company ... 4 sets.

Horse transport dépôt company... .. 6 „

Royal Engineers—

Training dépôt 4 „

Field troop ... { A spare set of tools for instructional purposes, &c., each set to consist of:—

„ company ...

Signal company or

signal squadron

Searchlight com-

pany ...

Training dépôt ...

Buffers, farriers ... 2

Hammers, farriers shoeing 2

„ „ sledge... 1

Knives, farriers drawing ... 2

„ „ searching 1

Worn out rasps may be retained for steeling horse shoes.

A.O. 113

1910

301. For war, forge and shoeing tools will be supplied as follows:—

All units except those mentioned below	{	1 bag, tool, farriers, filled as detailed on page 134, Appendix V, for each farrier serjeant, corporal shoeing smith and shoeing smith on the war establishment.
Royal Artillery Units	{	As detailed in E.R., Part 2, Sections XI and XII.
Divisional Signal Company, R.E. ...	1	
Signal Squadron, R.E.	4	Bags, tool, farriers, filled.
Field Company	4	
Infantry Battalion	1	

	Chests, tool, filled, farriers and shoeing smiths.	Additional sets of shoe- ing tools.
Army Service Corps Units—		
Headquarters Company of a Cavalry Train... ..	1	2
Headquarters Company of a Divi- sional Train	2	1
Other companies of Trains	1	1
Reserve Park	4	1
Company in South Africa	2	—

The tools forming part of the peace equipments of units will be taken in diminution of war requirements.

302. Pincers, horncutting, for use by farriers, will be stored with mobilization equipments at the rate of 1 pair for each 100 horses on the war establishment of the unit.

54
Engrs.
1116

SECTION X.—CAMP EQUIPMENT.

305. The proportions of camp equipment for manœuvres and in standing camps are contained in Appendix VII. The scale for standing camps will guide issues to troops placed under canvas for any purpose other than manœuvres. At stations abroad C.D.L. (in lieu of C.S.L.) tents may be issued for the use of European troops provided :—

- (a) The period of encampment is not to be of very short duration.
- (b) The climatic conditions likely to be encountered during the period of encampment are, in the opinion of the D.D.M.S. such as to warrant the issue of C.D.L. tents.

306. Indents for camp equipment will be prepared by units or individuals to whom issues are authorized by regulations, and transmitted to the C.O.O. of the area in which the encampment is to take place.

Officers authorized to indent for camp equipment will ensure that the whole of the information required by the forms is fully detailed upon them, that the quantities of equipment included are in accord with the authorized scales for the number of officers and men to be encamped, and that the indents are transmitted in ample time to allow O.Os. to arrange for delivery of the equipment by the date desired.

307. Camp equipment, other than that supplied to units as permanent equipment for instructional purposes will not be brought on charge in equipment ledgers.

All issues for temporary use, other than those made to units for sports and entertainments, which will be regarded as on "temporary loan," will be accounted for on A.F. G 973 by the C.O. of the unit, or the individual officer to whom the issue is made.

At the termination of the encampment the accounts, with the whole of their supporting vouchers, will be transmitted to the C.O.O. of the area in which the issues were made, irrespective of the locality of the ordnance dépôt to which the stores may have been returned.

Ammunition received or expended during periods of encampment will not be entered in camp equipment accounts.

308. Charges for deficient camp equipment will be assessed in accordance with the instructions contained in paragraph 106, except that a reduction from full vocabulary rates will only be made upon the certificate of the O.O. who made the issue, that the rates charged are the actual or fair proportionate value of the articles deficient.

309. When the issue of tentage to supplement barrack accommodation is authorized, tents, and, if necessary, tent bottoms, bed-boards, and trestles, will be obtained from the A.O.D. All barrack stores will be obtained from the officer in charge of barracks.

310. When the G.O.C. finds it necessary to increase the regulated proportions of stores supplied in camp, he will proceed as directed in paragraph 5.

311. In all issues for camps of manœuvre or flying columns at home, the G.O.C. may reduce the proportions in view of the requirements of the particular service and the strength of the troops and companies, and so diminish the weights to be transported.

312. Prior to leaving the camp, or at the termination of the service, accounting officers will see that all the articles taken on charge are duly accounted for on A.F. G 973, as either returned into store or deficient. Any deficiencies will be charged against the unit, or individual officer to whom the equipment has been issued, except in the case of wooden tent pins, of which 5 per cent. may be written off charge as expended by fair wear. In the event of lost stores being subsequently found, the procedure laid down in paragraph 100 will be followed.

313. Wood bottoms for circular tents for officers and men, or for marquees used for hospital purposes, will be issued when, owing to the dampness of the ground or to other causes, their use is certified to be necessary by the D.D.M.S. They will not be supplied for the store, office, or workshop tents of units.

314. The G.O.C., in authorizing the supply of wood bottoms, will proceed as directed in paragraphs 5 and 7.

315. At encampments where local conditions or circumstances render it impossible, or, in the opinion of the G.O.C., undesirable to dig trenches for latrine purposes, and the dry earth closet system has to be specially resorted to, latrine buckets may be issued

in the following proportions to the contractor engaged to remove the soil :—

For officers ... 20 per cent. of number of officers encamped.

For other ranks 10 per cent. of number of other ranks encamped.

These numbers are regarded as sufficient to meet requirements for both dry earth closets and urinals.

The conditions to be fulfilled by the contractors with regard to collection, disinfection, cleaning, repairing, and re-delivering these buckets will be found detailed in the "Special conditions of contract" embodied in a tender form approved by the Army Council and issued to G.Os.C., to govern local contracts in connection with the dry earth closet system in encampments.

316. Nosebags, picketing gear, and waterproof covers for saddlery, will be supplied in camp free of charge for the regulated number of officers horses, and for such hired horses as may be employed on the public service. Blankets, surcingles and pads will also be supplied for hired horses when required.

317. Mounted units proceeding by route march in the United Kingdom, do not require camp equipment when the men and horses are billeted nightly. In cases where it is necessary to encamp during the march, Os.C. units will indent, previous to marching, for the camp equipment they require, being guided generally by the proportions laid down for "manœuvres," but demanding only such articles as are absolutely necessary.

318. To prevent the injury caused by damp and mildew, all tents, blankets, nosebags, sheepskins, canvas and leather buckets, and other canvas, linen, cotton, woollen, or leather articles which have become wet while in use, will be thoroughly dried, and cleaned as far as possible by the troops, before being returned into store.

319. Camp kettles and other articles liable to injury from rust, will also be dried and cleaned by the troops before return to store.

320. When troops under canvas have to march on immediate orders, the C.O.O. will confer with the O.C. troops as to the steps which should be taken for the drying and cleaning of the camp equipment prior to its being returned into store on the breaking up of the camp.

321. The C.O.O. will bring to the notice of the O.C. troops any instance in which the camp equipment is not returned into store in a proper state, due allowance being made for fair wear and tear.

322. The following articles may be issued to units for instructional purposes. They will be held on equipment ledger charge, and on change of station will be transferred to the incoming unit :—

Cavalry regiments ... 4 circular tents, 10 camp kettles, 6 pick-axes, 6 shovels, 13 heel-peg mallets, 136 surcingle pads, 170 picketing pegs, 136 head ropes, 34 heel ropes, 136 4-ft. 9-in. picketing ropes, 136 8-lb. corn bags.

	Artillery brigades ...	9 camp kettles, 6 pick-axes, 6 shovels.
	Artillery batteries and R.E. units ...	2 circular tents.
	R.G.A. and A.S.C. companies, and A.O.C. sections and companies ...	1 circular tent.
	Infantry battalions...	4 circular tents, 10 camp kettles, 4 canvas water buckets.
A.O. 113 1910	Guards and Rifle depots ...	4 circular tents.
A.O. 115 1909	R.A.M.C. companies	1 circular tent, 1 marquee, 3 camp kettles, 3 pick-axes, 4 shovels, 1 bill-hook, 1 packsaddle, 1 pair cacolets, 10 2-ft. signal flags with poles, 8 ambulance stretchers, 48 knee caps, 1 bundle brushwood pickets.
A.O. 111 1911		

Unserviceable tents will be issued.

When batteries of artillery are stationed singly, a proportionate quantity of the brigade allowance will be issued.

323. The following articles will be issued, if required, to the units mentioned in the preceding paragraph and under the same conditions :—

Cordage	{ tarred, 1½-in., 20 ft. long ...	... pieces	20
	{ white, ¾-in., 4 ft. long ...	... „	20
Spars, wood, 12 ft.	... ..	... ..	6

324. An allowance for the first provision of a camp kit for officers, and for members of the Queen Alexandra's Imperial Military Nursing Service is granted under the conditions laid down in the Allowance Regulations.

The kit will consist of the following articles in addition to three new general service blankets to be obtained free, under regimental arrangements, from barrack expense stores :—

- 1 portable camp bedstead.
- 1 bag for same.
- 1 pillow.
- 1 waterproof sheet, 7 feet by 4 feet 6 inches.
- 1 tripod washstand, with waterproof basin, bath and bag.
- 1 folding chair.
- 1 waterproof bucket.
- 1 valise or kit bag, to hold above articles, with owner's name painted upon it.

The kit will be maintained at the expense of the owner.

A sample kit may be seen in the pattern room at the War Office.

SECTION XI.—ARMOURERS, ARTIFICERS, AND WORKSHOP TOOLS.

A.—ARMOURERS AND ARTIFICERS TOOLS.

330. Armourers boxes, with the tools and materials detailed in Appendix IV will be supplied to units and to Ordnance Depôts to which armourers are attached.

They will be held—

By units On equipment ledger charge.

By Ordnance Depôts On charge in "A in U" ledgers,

and when worn out by fair wear and tear, or expended in the repair of service arms or bicycles, will be replaced at the expense of the public.

331. Should an armourer require for service purposes, tools not included in this set he should as far as possible, make or improvise them locally. Material for such small services will usually be available in regimental workshops, but failing that source of supply, an indent for the necessary material accompanied by an explanation of the circumstances under which it is required, should be submitted to the A.O.D.

Should the work in hand necessitate the employment of special tools, which (having regard to the expense involved and the quantity of work to be performed) it is not desirable to make or improvise regimentally, such tools should be obtained on loan from the A.O.D.

332. Gauges supplied for the use of armourers will be verified by the A.O.D. annually, or oftener if the results of examination of arms indicate such a course to be desirable.

The Ordnance Depôts at which reference gauges are held are indicated in Appendix IV, Table 4.

333. When examining arms, viewers will inspect the tools of armourers attached to units, and report to the C.I.S.A., who will inform the O.C. of any required replacements.

334. Instructions for packing armourers tools and spare parts of small-arms, to be carried out by units on embarkation for distant stations abroad, are printed in the Instructions for Armourers. These directions do not apply to troops proceeding to the Mediterranean, West Indies, or Bermuda.

335. Tools supplied for the use of armourers and artificers are not to be employed for private purposes. Lists of general service tools are detailed in Appendix V. Tools special to Artillery, Engineers, and other services are detailed in the various sections of E.R., Part 2.

336. A set of pioneer equipment is issued for each service squadron of cavalry (including household cavalry), and for each company of mounted infantry. The detail of a set is shown in E.R., Part 2, Sections Ia and II.

B.—TOOLS FOR MILITARY WORKSHOPS.

A.O. 315
1910 | **340.** To encourage the employment of soldiers in trades, sets of tools will be supplied to regiments of cavalry, batteries of Royal Horse and Royal Field Artillery, battalions of infantry, and certain stations of R.G.A., at the public expense, under the special sanction of the G.O.C. in each case, and subject to the following conditions:—

- a. That there are qualified tradesmen to use them.
- b. That they remain in charge of the unit to which they are issued, and are only returned to store on the authority of the G.O.C.; and on the understanding that the unit so returning them will be charged with the difference between their original cost and actual value at the time of their receipt into store.
- c. That they be kept in order, repaired, replaced when lost or worn out by use, at the cost of the unit.
- d. That articles worn out or lost are paid for at full vocabulary rates, a reference to credit being made on the indent for their replacement.

A.O. 113
1910 |

	Batteries of Horse and Field Artillery.	Regiments of Household Cavalry or Cavalry of the line.	Battalions of Infantry.	R.G.A.	Battalions of Mounted Infantry.
Chests, tool, filled—					
Bricklayers and					
Masons	—	1	1	—	—
Carpenters	1	—	—	—	—
Carpenters and					
Wheelers	—	1*	1*	2‡	1*§
Coopers	—	1†	1†	—	—
Painters and Glaziers	—	1	1	—	—
Plumbers	—	1	1	—	—
Smiths... ..	—	1	1	1†	—

* A grindstone, F.S., 18-inch, for use with this chest will be separately demanded, charged and accounted for.

† Only when specially ordered.

‡ Per coast defence command at home, or station abroad; but other chests or increased supplies of above, may, under special circumstances, be authorized for instruction, on the approval of the War Office. § South Africa only.

341. C.Os. will direct an inspection of the tools to be made quarterly, and will certify in the ledgers in which they are brought on charge, that this service has been performed.

A.O. 315
1910 | **342.** Tools issued to the R.G.A. under paragraph 340 will be accounted for by the O.C. the dépôt company; or, where no dépôt company exists, by the O.C. a service company to be detailed—

At Home.—By the O.C. R.A. in the coast defence command.

Abroad.—By the O.C. R.A. at the station.

343. Tools for trades will not be allowed to special reserve units or to Guards and Rifle dépôts.

SECTION XII.—SIGNALLING AND RANGE-FINDING EQUIPMENT.

A.—SIGNALLING EQUIPMENT.

315. Supplies will be issued in accordance with the several sections of E.R., Part 2.

B.—FIELD RANGE-FINDERS.

347. Field range-finders will be supplied as shown in the several sections of E.R., Part 2. Instructions for the repair of these instruments will be found in Appendix XXII.

C.—INSPECTION OF TELESCOPES AND BINOCULARS.

A.O. 115
1909

348. Telescopes and binoculars held on charge for signalling and reconnaissance work under E.R., Part 2, Sections I, Ia, and II, will be inspected annually by instructors in musketry or by signalling officers. For instructions for inspection and testing *see* Regulations for Magazines and Care of War Matériel, 1908, Section XV III.

The report of inspection is to be made for the information of the G.O.C., and no reference need be made to the War Office unless the inspection shows that equipments appear to be defective in design, in which case proposals to remedy defects should be submitted in the usual way.

SECTION XIII.—PHOTOGRAPHS AND TEXT-BOOKS.

350. A supply of photographs of selected artillery stores will be made as required to the Artillery Schools of Instruction and Ordnance College, for instructional purposes. *See* paragraph 13190, List of Changes.

351. Text-books, hand-books, and range tables will be issued as laid down in E.R., Part 2, Sections XI and XII.

SECTION XIV.—MISCELLANEOUS STORES.

355. Pace sticks, ropes for drill, saluting flags, regimental camp colours, letter bags, metronomes with stands, cleaning materials for offices, and other miscellaneous stores, will be provided out of the
(Eq. R. 10070)

E

allowance for miscellaneous stores granted by the Allowance Regulations.

356. Old woollen or old linen material required for cleaning purposes, in addition to the free issues authorized by regulation, may be obtained from the A.O.D. on repayment, when the quantities required can be spared from local stock. The rates to be charged will be those notified in the half-yearly statements issued by the D.D.O.S., Woolwich Arsenal. The cost of transport must be borne by the purchasing unit.

A.O. 115
1909

357. Machines, or hand clippers, for clipping horses, will be provided regimentally (except by infantry battalions), and an allowance of tenpence per horse clipped may be charged once a year in the regimental pay lists. The charge will be supported by a certificate of the C.O. showing the number of horses clipped.

358. "Chests, clothing or school materials" (or "boxes, clothing or schoolmasters") will be issued for the storage of clothing in the proportions laid down in Appendix XXV. They will be returned to store prior to embarkation of the unit for India.

359. One "box, clothing or schoolmasters" will be issued to every schoolmaster on appointment. The box may be renewed after 12 years if unserviceable. It will be accounted for by the officer under whom the schoolmaster is serving.

A.O. 113
1910

This box will always accompany the schoolmaster on change of station.

A.O. 111
1911

360. Drawing instruments as detailed in Appendix XXVII will be supplied for use in offices in which a General Staff Assistant is employed.

361. The stationery required for use in offices in which a General Staff Assistant is employed and for instruction of cavalry and infantry in field sketching and reconnaissance will be supplied, on receipt of indents from units, on A.F. L 1380.

362. A blackboard and easel complete, for instruction of N.C.Os. and men of the R.A.M.C. in various technical subjects, will be issued to the headquarters of companies (except to A and B Companies), and to the undermentioned detachments at home and abroad :—

<i>Home.</i>	<i>Abroad.</i>
Gosport.	Pietermaritzburg, } South Africa.
Shorncliffe.	Wynberg,
	Cape Town,
	Hong Kong.
	Gibraltar.
	Valetta, } Malta.
	Cottonera,
	Alexandria, } Egypt.
	Cairo,

363. One foot of wick will be issued by the A.O.D. with each oil-burning lamp or lantern, except those issued to A.S.C. for barrack services.

364. Cattle killers (with cases) and 100 cartridges for use with each of the same, and "Spray disinfectors" are issuable in peace, on the scale shown below :—

A.O. 115
1909

Stations.	Proportion of		Stations.	Proportion of		
	Cattle killers.	Spray disinfectors.		Cattle killers.	Spray disinfectors.	
aAldershot	6	12				57
cArborefield Cross	1	1	London, {cHyde Park	1	1	Aldershot
cAthlone	1	1	{cMillbank	1	1	8370
cBallincollig	1	1	{cRegent's Park	1	1	
cBandon	1	—	{cSt. John's Wood	1	1	
cBelfast	1	—	cLongford	1	—	57
cBelturbet	1	—	cMalta	1	1	Malta
cBirmingham	1	—	cManchester	1	—	4346
cBradford	1	1	cMelton Mowbray	—	1	
cBrighton	1	1	cNetheravon	—	1	
cBristol	1	1	cNewbridge	1	1	
cCahir	1	1	cNewcastle-on-Tyne	1	1	
cCanterbury	1	1	cNewport, Mon.	1	—	57
cChatham	1	1	cNorwich	1	1	
cChina, North	1	—	cPortland	1	—	N. China
cChristchurch	1	1	cPortsmouth	1	—	24
cClogheen	1	—	cPreston	1	—	57
cClonmel	1	—	cRoyal Military College	1	1	
cColchester	1	2	cSalisbury	4	4	Aldershot
cCork	1	—	cSheffield	1	1	7868
cCoventry	1	—	cShoeburyness	1	—	
cCurragh	4	3	cShorncliffe	2	2	
cDevonport	1	—	South Africa :—			
cDorchester	1	—	bBloemfontein	2	3	
cDover	1	—	bBloemfontein (remount			
aDublin	4	2	depôt, Glen.)	1	1	
cDundalk	1	1	bCape Town	1	—	
cEdinburgh	1	1	bHarrismith	1	1	
bEgypt	2	2	bMiddelburg (Cape Colony)	2	1	
cExeter	1	1	bMiddelburg (Transvaal)	1	—	
cFermoy	1	1	bMooi River (remount			
cFethard	1	—	depôt)	1	1	
cGibraltar	1	—	bPotchefstroom	3	2	
cGlasgow	1	1	bPretoria	3	3	
cHampton Court	1	—	bStanderton	2	—	
cHilsea	1	1	cStobs	1	—	
cHounslow	1	1	cTrowbridge	1	1	
cIpswich	1	1	cWaterford	1	—	
cKildare	1	1	cWeedon	1	1	
cKilkenny	1	—	cWindsor	1	1	57
cLeeds	1	1	cWitley	—	1	Aldershot
cLimerick	1	1	aWoolwich	2	4	8331
cLiverpool	1	—	cYork	1	1	57

The killers, ammunition, and spray disinfectors will be on charge of and accounted for by the following officers :—

At stations marked :—

- "a" By the principal veterinary officer.
 "b" " senior veterinary officer.
 "c" " veterinary officer attached for duty.

In the veterinary accounts for instruments and medicines rendered to the Director - General, Army Veterinary Service.

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1909

In the event of there not being a veterinary officer at any of the stations marked "c," the G.O.C. will appoint an officer who renders an equipment or store account to act as custodian and accountant.

365. The following articles may be issued on loan to units for the purpose of carrying out the instruction of men as stretcher bearers. *See King's Regulations :—*

Stretchers, ambulance—As required, but not to exceed 4 per unit.

Caps, knee, musketry—6 per ambulance stretcher.

366. Slings, horse, sea transport for the instruction of troops in slinging horses for embarkation, will be held on charge at military stations or commands as follows :—

The distribution of these slings within their commands will be left to G.O.C.

Stations or commands.							No. of slings.
57 Southern 1126	Aldershot Command	...	...	...	...	...	21
	Eastern "	...	...	...	...	...	20
	Irish "	...	...	...	...	...	28
	Northern "	...	...	...	...	...	8
	Scottish "	...	...	...	...	...	6
	Southern "	...	...	...	...	...	46
	Guernsey and Alderney District	...	...	...	...	...	2
	Jersey District	...	...	...	...	...	3
	London District	...	...	...	...	...	10
	Bermuda	...	...	...	...	...	2
	Ceylon	...	...	...	...	...	2
	Egypt	...	...	...	...	...	10
	Gibraltar	...	...	...	...	...	2
	Jamaica	...	...	...	...	...	4
	Malta	...	...	...	...	...	3
	Mauritius	...	...	...	...	...	6
	North China	...	...	...	...	...	1
	Sierra Leone	...	...	...	...	...	1
	South Africa	...	...	...	...	...	21
	South China	...	...	...	...	...	6
	Straits Settlements	...	...	...	...	...	2

367. Consumable stores for veterinary purposes will be issued in the proportions given in the following table, on the indent of the veterinary officer countersigned by the C.O. of the unit concerned. The issue voucher upon which they are charged will be signed by the veterinary officer only.

CONSUMABLE STORES FOR VETERINARY PURPOSES.

Not applicable to Veterinary Hospitals (*see* E.R., Part 2, Section IVB), or to A.S.C. Remount Companies (*see* E.R., Part 2, Section III).

57
Gen. No.
846
A.O. 47
1912

Three Months' Supply.

Description.	Per 100 public riding or draught animals.	
	Stations other than South Africa.	South Africa.
<i>Section No. 5A.</i>		
Rubbers, horse	5	5
Sponges, 7 drachms	4(a)	4(a)
<i>Section No. 7.</i>		
Pins, mixed oz.	$\frac{1}{4}$	$\frac{1}{2}$
<i>Section No. 8A.</i>		
Twine, packing, small oz.	1	2
<i>Section No. 9A.</i>		
Corks, assorted	6	25
Soap { carbolic bars	1 $\frac{1}{2}$	13
{ soft lbs.	5	5
{ yellow bars	3	3
<i>Section No. 13C.</i>		
Bandages, horse	6(b)	25
Linen, unbleached (for bandages) yds.	3	5
Sacking, jute, 30 inch "	4	6
Tape, linen, $\frac{3}{4}$ -inch, white pieces	1(a)	2(a)
Two, jute lbs.	4	6
<i>Old Stores.</i>		
Flannel, old (for fomentations) lbs.	7 $\frac{1}{2}$	11
Numnahs, old (for foot swabs)	2	3
NOT IN VOCABULARY.		
Paper (c) { brown, common (for packing) ... quires	$\frac{1}{4}$	$\frac{1}{4}$
{ white, fine (for balls) "	$\frac{1}{4}$	

(a) To be drawn at these rates every six months.

(b) 25 per 100 animals may be drawn in Egypt.

(c) Stationery Office supply.

BICYCLES.

371. Bicycles will be supplied by the A.O.D., and held on ledger charge of units, &c., in the following proportions :—

(a) *For cyclist orderlies.*

A.O. 47	Headquarters of a command at home, and		
1912	in South Africa and Egypt	not exceeding	3
	Headquarters of other commands, and head-		
	quarters of divisions or districts... ..	"	2
	Headquarters of a brigade	"	1
	" a regiment of cavalry,		
	brigade of artillery, battalion of infantry,		
	and such corresponding units of other		
	arms of the service, on the recommenda-		
	tion of the G.O.C.	"	1

(b) *To facilitate instruction in scouting, map reading, choice of positions, and tactical exercises generally. Home stations only.*

A.O. 211	Regiments of Cavalry	7
1910	Batteries of Horse, Field or Heavy Artillery ...	1
A.O. 47	Battalions of Infantry	4
1912	Mounted Infantry School, Longmoor	16

(c) *For Royal Engineer units.*

See E.R., Part 2, Section X.

(d) *Mechanical Transport Companies, Army Service Corps.*

For W.Os., and N.C.Os. above the rank of corporal employed on convoy duties, &c.

Mechanical Transport company	8
" " dépôt company	11
" " detachment at Malta... ..	2

(e) G.Os.C. at home may authorize the issue of service bicycles for services other than those detailed in sub-paragraphs (a) to (d) subject to each of the following conditions obtaining—

- (i.) The allowance during the preceding 12 months has exceeded £4 10s. 0d.
- (ii.) The service is of a permanent and continuous nature.
- (iii.) The service is such that due supervision of the use of a public bicycle can be exercised; and that repairs can be executed in Government workshops.

372. Government bicycles are only to be used on military duty or service connected with military requirements; those issued under paragraph 371 (b) and (c) are only to be used for the military training of troops, and are on no account to be utilized for orderly work, or any other purpose whatever. C.Os. will be responsible for the proper care and preservation of service bicycles by soldiers under their command.

A.O. 315
1910

373. When the services of a certificated N.C.O. are available, such soldiers as are called upon to ride bicycles should, whenever possible, be previously instructed in the correct method of effecting adjustments and minor repairs. The syllabus for such instruction is given in the Handbook on Military Bicycles.

A.O. 211
1910

374. The bicycles issued under paragraph 371 will accompany the unit on change of station at home. In the event of a unit proceeding to or from a station abroad, the machines will be returned to the A.O.D.

A.O. 202
1909

375. A.B. 388 will be kept by each unit in possession of service bicycles, and the instructions contained therein will be strictly adhered to. O.C. units will render abstracts from this book to the C.I.S.A. (through the A.D.O.S.) as may be called for.

8
Equipment
386

When bicycles are returned to store in accordance with paragraph 374, A.B. 388 will be returned with them.

376. Detailed instructions regarding the care, preservation, and repair of service bicycles are contained in the Handbook on Military Bicycles, a copy of which will always be carried in the tool bag of the machine to which it belongs.

In order to fix responsibility for loss or damage, transfers of machines between individuals will be recorded in this book.

377. Any loss or damage should be immediately reported by the rider concerned. The decision as to the cause of the loss or damage will be recorded in A.B. 388, and will be supported by the signature of an officer.

378. Annual inspections of service bicycles will be arranged for by the C.I.S.A. as laid down in the R.A.O.S., Part I.

SOAP.

380. Soap for the personal use of soldiers will be supplied by the A.O.D., and will be accounted for in the regimental equipment ledger.

In peace or on mobilization one piece will be supplied to every soldier entitled to a free kit of necessaries under the Clothing Regulations, and will be kept up afterwards at his expense (in peace) as part of his kit.

381. For war, soap will be supplied free to officers, W.Os., N.C.Os. and men as required; one 3-oz. piece will be carried by each man.

382. Supplies required for use on board ship will be provided regimentally, and will be paid for out of the advance of pay.

383. Soap will also be supplied on payment at the published rates; credit will be given in A.F. P 1963 for the total number of pieces issued on payment.

WAGONS.

385. When driving the undermentioned wagons, otherwise than by long rein, or turning them when in store, footboards will be fastened up to prevent the stays being wrenched away.

Ammunition and store, R.A., Mark II.

G.S. { Marks III. and IV.
 { R.E.

Light, spring, surgery.

MECHANICAL TRANSPORT.

386. Outfits and consumable material for the care and preservation of mechanical transport vehicles are detailed in Appendices XVII and XVIII.

The war scale of lubricants for mechanical transport vehicles and workshop plant is detailed in Appendix XIX.

387. Materials for the repair and maintenance of mechanical transport vehicles and company workshop equipment enumerated in the Priced Vocabulary of Stores will be demanded in such quantities as may be necessary by O.C. mechanical transport companies and detachments, as directed in paragraph 23.

The stores demanded will be limited to the actual estimated requirements for a period of three months, and any unnecessary accumulation will be reported by the C.O.O. when examining A.Bs. 283 and 377 in accordance with paragraph 462.

Articles required to replace worn out parts for mechanical transport vehicles, which cannot be manufactured in the company or detachment workshop, and which are not included in the Priced Vocabulary of Stores, will be demanded from the Commandant, A.S.C. Training Establishment, Aldershot, on A.F. G 1058 on the 15th March, 15th June, 15th September, and 15th December.

SECTION XV.—STORES FOR THE INSTRUCTION OF TROOPS IN MILITARY ENGINEERING.

391. Tools and stores for the instruction of regular units of cavalry, artillery, engineers, mounted infantry and infantry, in military engineering, will be supplied in the manner and in the proportions detailed below.

(i) TOOLS FOR INSTRUCTION IN FIELD WORKS.

Tools which form part of the peace equipment of units will in all cases be utilized. They will, in the case of the units mentioned

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1909

below, be supplemented by additional tools to be obtained from the following sources :—

ROYAL ENGINEER UNITS,

(a) *Railway and Searchlight Companies.*

Additional tools as considered necessary by the G.O.C. will be issued from the approved establishment of stores maintained for these units at Aldershot and Longmoor.

(b) *Fortress and Survey Companies.*

Additional tools as detailed in Table 1, Appendix VI, will be temporarily issued from stock in R.E or A.O.D. general charge, or from the approved reserve held at the station for local defence scheme. (See paragraph 395.)

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1910

(c) *Field Companies.*

Boxes, testing and jointing ; forks, sandbag ; and ladders, scaling, may be issued from the sources mentioned in sub-paragraph (b).

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1910

INFANTRY AND MOUNTED INFANTRY BATTALIONS.

When mobilization equipment is held at the station by or for the unit, pickaxes, billhooks and shovels may be issued from that equipment as directed in E.R., Part 2, Sections I and Ia.

When mobilization equipment is not held at the station these tools may be issued from A.O.D. general stock, or from the approved reserve held at the station for local defence scheme. The numbers issued will not exceed those laid down as the war equipment of units.

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1910

Any tools other than those mentioned above would have to be improvised on active service, and should therefore be improvised for instructional purposes during peace.

Attention is directed to paragraph 395.

(ii) STORES FOR BRIDGING, MINING, RAILWAY AND TELEGRAPH PURPOSES.

Details of the sets of stores allowed for these purposes are contained in Appendix VI, Table 2.

The number of sets of bridging material allowed includes sufficient to admit of instruction in bridging being imparted to units of the Territorial Force.

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1909

The number of sets allowed for each command will be as follows :—

	Commands and districts.	Bridging sets.	Railway sets.	Mining sets.	Telegraph sets.
A.O. 47					
1912					
57	Aldershot Command ...	7	3	3	1
Irish	Eastern " ...	7	3	3	2
970	Irish " ...	6	3	4	1
A.O. 202	Northern " ...	8	1	1	...
1909	Scottish " ...	9	1	...	...
57	Southern " ...	12	5 (a)	3 (a)	1
Scottish	Western " ...	8	1	1	...
490	Guernsey and Alderney				
A.O. 115	District—				
1909	Guernsey ...	(b)	...	...	...
57	Alderney ...	1	1	1	...
Gen. No.	Jersey District ...	1	...	...	...
1647	London District...	2	...	...	...
A.O. 115	Bermuda...	1	$\frac{1}{2}$	...	...
1909	Ceylon ...	1	$\frac{1}{2}$ (c)	$\frac{1}{2}$	...
A.O. 20	Egypt ...	2	1	1	1
1910	Gibraltar ...	2	1	1	...
57	Hong Kong ...	1	1	1	...
Egypt	Jamaica ...	1	$\frac{1}{2}$	$\frac{1}{2}$	...
678	Malta ...	2	1	1	...
A.O. 20	Mauritius ...	1	$\frac{1}{2}$	$\frac{1}{2}$	...
1910	North China ...	1	...	...	...
57	Sierra Leone ...	1	$\frac{1}{2}$	$\frac{1}{2}$	...
Cape	South Africa ...	6	3	3	1
3220	Straits Settlements ...	1	$\frac{1}{2}$	$\frac{1}{2}$	...

51

1214

A.O. 20

1910

(a) 2 of these sets are for training companies in siege work.
 (b) A few stores, details of which have been communicated by War Office letter to the G.O.C.
 (c) Except the plant, railway, old, detailed in Table 2, Appendix VI, pages 159 and 160.

A.O. 111

1911

All bridging spars and ropes should be tested annually in the manner prescribed in the Manual of Military Engineering. A testing and weighing machine is held on A.O.D. charge in each command for issue on loan when required.

(iii) EXPENDABLE STORES.

The proportions in which annual issues will be made are detailed in Appendix VI, Tables 3 and 4.

392. Spars or other suitable timber for bridging or mining purposes, planks, hutting poles, handrails, sheeting miners, &c., whether for the use of the regular forces, or for the instruction of R.E. units of the special reserve or the territorial force will be provided locally, either by hire or purchase. The annual expenditure in this connection should not exceed the following sums :—

A.O. 111

1911

Commands and districts.	Not exceeding per annum. £	Command.	Not exceeding per annum. £	
Aldershot Command ...	150	Ceylon ...	15	
Eastern „ ...	150	Egypt ...	50	
Irish „ ...	150	Gibraltar ...	50	
Northern „ ...	100	Hong Kong ...	50	
Scottish „ ...	50	Jamaica ...	25	
Southern „ ...	200	Malta ...	80	
Western „ ...	150	Mauritius ...	25	A.O. 47
Guernsey and Alderney District ...	15	North China ...	20	1912
Jersey District ...	15	Sierra Leone ...	15	
London District ...	100	South Africa ...	150	
Bermuda ...	25	Straits Settlements ...	25	

Arrangements for the purchase or hire will be made by the C.O.O. in consultation with the C.R.E. Bills should be classified to Vote 8 E.

393. The timber mentioned in paragraph 392, and the stores for bridging, mining, railway, and telegraph purposes, mentioned in paragraph 391 (ii), will be held on charge by the C.R.E. He will make arrangements for instruction to be imparted with the aid of these stores, will allot ground and issue the stores in such manner as the G.O.C. may direct, and will apply for transport for moving the stores from one station, or unit, to another as required. Annual estimates for the maintenance of these stores to approved establishments will be transmitted not later than the 1st August, on A.F. G 989, by the C.R.E. to the C.O.O. The stores included in these estimates will be indented for by the C.R.E. as required, on A.F. G 993.

394. Annual indents for the expendable stores allowed by paragraph 391 (iii) will be transmitted by units to the C.O.O. not later than the 1st March.

The whole of the stores will, upon receipt, be brought upon equipment ledger charge by the unit. Quantities expended in training will be written off by expense voucher upon the certificate of the C.O. that the expenditure has actually taken place. Any unexpended balance remaining at the end of the training season will, except in the case of sandbags, be returned to the nearest Ordnance Depot. Sandbags may be accumulated up to, but not exceeding treble the quantity allowed as the annual supply. The quantity in hand should be shown on the annual indent submitted to the C.O.O.

395. Stores temporarily issued from local reserve under paragraph 391 should be carefully overhauled immediately upon the conclusion

of each season's peace training, and replaced in that reserve, any which have become unserviceable being at once exchanged.

All used articles returned for storage with local reserves must be thoroughly cleaned by the unit by which they have been used for peace instruction, the cutting edges of tools must be placed in good condition, and all metal articles or metal portions of articles greased.

Tools forming part of the local reserve are not on any account to be used for general purposes in peace. Picks and shovels required for general barrack use will be drawn and held on inventory; when required for general use in camp they should be demanded with other camp equipment.

SECTION XVI.—MARKING OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

398. Stamps are supplied to the various services requiring them, for marking arms, accoutrements, harness, and saddlery. The adoption of an unauthorized method of marking, or the employment of stamps differing from the standard patterns, will render a unit liable to charges for damage.

399. With the exception of articles of equipment for man and horse, stores issued for the service of the troops are not to receive any indelible corps marks which would render them unfit for re-issue. Should it be found, on such articles being returned into store, that they have been so defaced, the cost of the articles will be charged against the unit for whose use they were issued.

400. Arms stored for infantry reservists will be marked with corps marks and numbers during peace. The numbers will be from 1 upwards, and must be preceded by the letter "R," *e.g.*, R. 1., R. 2., &c.

Arms stored for other reservists, accoutrements, harness, and saddlery, issued to, or taken into use by troops on mobilization will be marked with as little delay as possible, with corps marks and progressive numbers. They will not be marked with a date of issue.

401. Articles of equipment supplied from time to time for temporary purposes will not receive corps marks with the exception of extra service accoutrements supplied to units in excess of their peace establishment.

402. Should additional equipment be issued to detachments (*see* paragraph 104), the marking will be from 1 upwards, but with the prefix 0. The marking would thus read 01, 02, 03.

403. As a general rule the service of marking the equipments is performed free of charge by the paid regimental artificers, as

part of their duty. Money allowances are, however, granted for marking artillery stores connected with armaments; accoutrements and musical instruments in certain cases, and squad bags when first issued. The allowances for marking accoutrements and squad bags cover both labour and the ink or paint required.

404. The paint required for marking baggage (*see* King's Regulations) may be purchased by C.Os. as required, the charge being supported by a certificate stating the number of packages marked.

B.—MARKING ARTILLERY STORES, &c.

407. All side arms, handspikes, levers, as well as the handles of all intrenching tools, and other articles required for manual labour, will be left unpainted. When it is necessary to mark these articles, they will be lettered in paint, with the distinguishing marks of the unit to which they respectively belong; three half-pence per hour will be allowed for this service.

408. The marks and numbers on stores of all natures, and every kind of projectile and fuze, on guns and artillery carriages, as also on all carriages forming the equipment of units, will be noted in all reports relating to the repair, alteration, and condemnation of such stores, in order that the date of manufacture may be readily ascertained.

C.—MARKING ARMS.

413. All arms except those for mobilization (*see* paragraph 400) are issued to the troops marked with the month and last two figures of the year of issue, thus, 1.00, 3.01, &c. Full instructions as to all other marking will be found in the Regulations for Army Ordnance Services, Part I.

Care should be taken that the marks on the arms are not too deeply stamped.

414. In cases where the services of an armourer are not available for marking the arms, C.Os. in making indents on the A.O.D., will state the particulars of the corps marks and numbers that should be placed upon the articles.

415. Stamps for marking swords and sword-scabbards, will be lent to dismounted services by the A.O.D.

416. Arms issued to replace others will be given the numbers of the articles replaced.

D.—MARKING ACCOUTREMENTS.

420. All accoutrements, except those for mobilization (*see* paragraph 400), will be marked by the A.O.D. before issue with the month and last two figures of the year of issue, beneath the W.D. and broad arrow of the War Department, thus, 2.00, 3.01, &c. When received by the troops, they will be further marked, before being taken into use, to correspond with the arms. Upon return

to store of part worn accoutrements, the original marking will be obliterated by the A.O.D. with the letter "W", and on re-issue to the troops such articles will be re-marked with the date of re-issue.

421. Accoutrements supplied for men in excess of the regulated establishments will be marked by the unit with consecutive numbers and the distinguishing corps marks. Such accoutrements, when returned to store, will be available for re-issue to any service as part-worn articles, and will be then further marked as directed in paragraph 420.

422. Accoutrements will be marked as follows :—

A.O. 20 1910	Buff and web accoutrements, haversacks, and mess-tin covers	{ ½-inch copper inlaid stamps and black marking paint, ¼-inch brass or gun metal stamps being used for regimental terminals.
	Brown or black accoutrements	{ ½-inch steel stamps, care being taken that the leather is not cut, but merely indented.
	Enamelled iron water bottle covers	{ ½-inch copper inlaid stamps and "Ink, marking, woollens." In centre of that portion of cover not exposed to view when bottle is worn. (Bottles should be worn with buff strip or chain securing cork towards rear).
	Mess-tins	{ ½-inch steel stamps. Tins should be well supported by a smooth surface during process of marking. Judgment must be used in delivering blows so as not to cut the metal through.

Branding accoutrements is strictly prohibited.

In all cases when marking black and brown accoutrements, the stoutest parts should be chosen. Bandoliers should be marked on the bodies, and the pockets on the back loops.

423. The whistles of infantry will be marked on one side of the acorn with the territorial letters, and on the other side with the number of the whistle, from 1 upwards. The battalion numeral will be dispensed with. The whistles of sergeants of R.E. will be marked in the same manner as their arms. For the purpose of marking, the steel stamps for metal in possession of armourers for marking small-arms will be employed.

424. Stamps will not be supplied specially to mounted services for marking accoutrements, some of the stamps issued for marking the saddlery and harness being suitable for this purpose also.

425. The undermentioned allowances are granted for marking accoutrements of dismounted units in accordance with paragraphs 420 to 422 :—

A.O. 20 1910	(a) For all items of personal equipment other than water bottle covers per 100	s. d. 0 3
	(b) For water bottle covers (inclusive of cost of ink) each	0 0½

(c) Annually for the purchase of marking ink and black marking paint required for use with the metal stamps. (See paragraph 422.)			A.O. 20 1910	
		s.	d.	
Battalion of infantry	...	2	0	
Guards and Rifle depôts	...			
Depôt of R.A.M.C.	...	1	0	
Dismounted depôt company of A.S.C.	...			
Company of R.G.A.	...	0	9	
District Establishment Artillery	...			
Unit of R.E. (except mounted units)	...	0	6	
Company or section of A.O.C.	...			

426. These allowances will be charged in the company pay lists, and will be vouched in each case by a certificate showing the number and description of articles marked, the date of their issue, and from what ordnance depôt they have been issued.

E.—MARKING MUSICAL INSTRUMENTS.

430. Musical instruments will be marked in consecutive numbers, from one upwards in the manner approved for marking arms. This service will be performed in the following manner:—

- (1) Bugles, drums and trumpets will be marked by armourers with the stamps in possession of units for marking metal articles.

When the services of an armourer are not available with the unit, the marking of these articles will be performed by the A.O.D. prior to issue. In such cases particulars of corps marks and numbers must be furnished by units on the indents for the instruments.

- (2) Piccolos and flutes will invariably be engraved locally, $\frac{1}{2}$ d. per letter or figure being admitted as a charge against public funds.

431. The silent drum for practice will be marked on the cloth, on the under side, with the same stamps as are used for accoutrements.

F.—MARKING HARNESS AND SADDLERY.

433. All new articles of harness and saddlery, except those issued for mobilization purposes (see paragraph 400), of $\frac{3}{4}$ -in. or more in width, will be marked by the A.O.D., before issue to the troops, with the month and last two figures of the year of issue, beneath the W.D. and the broad arrow, thus—2.00, 3.01, &c. Articles that have been in use will, when reissued for a further period of wear, be again marked by the A.O.D., with the month and year of issue as above, and with the letter W showing that they have been in wear before, the date being stamped close under the part worn mark.

434. Harness and saddlery when received by the troops for peace use, will be stamped with the distinguishing marks of the corps. The sets will be numbered consecutively, harness and saddlery being given

different series of numbers. As articles common to both harness and saddlery will be distinguished only by the position of the set number, care must be taken to place the number correctly.

In batteries of artillery the numbering will be by sub-sections, and in the cavalry by squadrons, as in the specimens given below.

In other units there will be, for the entire establishment, one series of numbers for sets of universal saddlery, another for sets of officers' saddlery, and a third for single sets of harness. The numbers will be placed on saddlery vertically under the corps marks; and on harness in the same line with, and following corps or sub-sectional marks, as in the specimens given below.

In every case the head and neck collars will be marked with the number of the horse instead of that of the set.

Royal Horse Artillery.

I	I Battery.
R.H.A.	Royal Horse Artillery.
A	A Sub-section.
4	No. 4 set of saddlery.
I	I Battery.
R.H.A.	Royal Horse Artillery.
B. 3.	B Sub-section. No. 3 single set of harness.

Royal Field Artillery.

37. R.F.A.	37th Battery, Royal Field Artillery.
O. 1	Officers' No. 1 set of saddlery.
37. R.F.A.	37th Battery, Royal Field Artillery.
B	B Sub-section.
1	No. 1 set of saddlery.
37. R.F.A.	37th Battery, Royal Field Artillery.
B. 3.	B Sub-section. No. 3 single set of harness.

Cavalry.

1. L.G.	1st Life Guards.
A	A Squadron.
2	No. 2 set of saddlery.
5. L.	5th Lancers.
B. 1.	B Squadron. No. 1 single set of harness.

Royal Engineers.

1. S.Co.—R.E.—4	1st Signal Company. No. 4 set of harness.
1. S.Co.—R.E.	1st Signal Company. No. 4 set of universal
4	saddlery.
1. S.Co.—R.E.	1st Signal Company. No. 2 set of officers'
O. 2	saddlery.

Army Service Corps.

10—A.S.C. 4	No. 10 company Army Service Corps. No. 4
	single set of harness.
10—A.S.C.	No. 10 company Army Service Corps. No. 4
4	set of universal saddlery.
10—A.S.C.	No. 10 company Army Service Corps. No. 4
O. 4	set of officers' saddlery.

435. The leather work will be marked with $\frac{3}{16}$ -in. steel stamps, immediately under the A.O.D. mark of month and year of issue.

436. The ironwork will be marked with $\frac{1}{2}$ -in. steel stamps for metal, the portmouth bit in front of the port, the bridoon bit on top of the mouthpiece, and the stirrup irons on the bottom.

437. If, on a transfer of harness or saddlery, any of the sets received are found to bear numbers already on the harness or saddlery on charge, the articles will be renumbered, either with the numbers of sets transferred from charge, or as additions to the establishment.

438. The harness and saddlery issued to infantry battalions will be marked before issue, by the A.O.D., according to the principles laid down in paragraph 434.

439. Sheepskins, nosebags, corn-sacks, and corn-bags will be marked with marking ink; saddle-blankets and horse-rugs with "ink, stamping woollens"; "stamps, copper, inlaid, $\frac{1}{2}$ -inch," will be used, and the marking will be placed immediately under the War Department store mark.

G.—MARKING SQUAD BAGS.

- 441. Each squad bag will be marked on the outside of the upper flap with the initial letter of the company or squadron, the number or appellation of the battalion or regiment, and the month and year in which the squad bag was first issued from the quartermaster's stores.

Black paint will be used for marking. The figures and capital letters will be $1\frac{1}{2}$ ins. in length.

The following will exemplify the mode of marking :—

B. 4/D. Gs.	D. 2/Gd. Gds.	A. 1/Manch.
1/1900.	1/1900.	1/1900.

442. The sum of fourpence for each squad bag so marked on first issue will be allowed ; the amount will be charged in the accounts of the unit, vouched by the usual receipt of the person who executed the work, and certified by the C.O.

H.—MARKING GUARDS AND RIFLE DEPOT EQUIPMENT.

444. In Guards and Rifle dépôts the arms and accoutrements (except those stored for reservists) and musical instruments will be marked with the approved regimental initials, followed by the letter D.

I.—MARKING VEHICLES AND BICYCLES.

445. Instructions for marking vehicles and bicycles are given in Appendix XX. (EQ. R. 10070)

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SECTION XVII.—REPAIR AND PRESERVATION OF EQUIPMENT.

A.—GENERAL INSTRUCTIONS.

449. C.Os. will not allow or pay for the performance of any work connected with equipments or armaments for which there is no regulated provision, without previous authority obtained, at home from the War Office, and at stations abroad from the G.O.C.

450. Except when otherwise specified in these regulations, the repair and painting of all stores that can be performed by the regimental artificers will be executed by them, under the superintendence of their C.O., free of charge. The necessary tools and materials will be supplied by the public, or out of a money allowance granted for their purchase.

451. The allowances of materials and working pay for painting vehicles, &c., are laid down in—

E.R., Part 2, Sections XI and XII for R.A. units.
Appendix XXI for other regular units.

The vehicles in possession of Foot Guards and A.S.C. companies stationed in London may be painted half-yearly. In the case of other units, if vehicles require painting more than once a year the authority of the G.O.C. must be obtained for the issue of materials and working pay.

The repainting of vehicles, &c., should be limited to patching and one coat of paint.

452. The following parts of vehicles will be kept free from paint and rust :—

Gun carriages, ammunition wagons and limbers.

Bearing surfaces, working parts, metal hand wheels, and the brass parts of gun carriages which are frequently handled.

Other vehicles.

Frictional surfaces and working parts of gears ; end of poles ; ends of axles ; drag washers ; brake wheels and all brasswork.

In cleaning bright parts care is to be taken to avoid the use of coarse grinding materials such as sand, emery, bath brick, files, &c. which wear the surfaces. This particularly applies to gears.

Straps and other leatherwork on vehicles should be periodically dressed with dubbing.

453. The services of the regimental artificers will, when the duties of their own unit permit, and at the discretion of the G.O.C., be made generally available for performing any work which they may be called upon to execute within the limits of their trades, and during working hours, for other units or detachments unprovided with artificers, or requiring the assistance of additional artificers in exceptional circumstances.

454. Repairs which cannot be executed by the regimental artificers will be performed under the direction of the A.O.D., by the artificers attached to that department, or else in accordance with the directions given in paragraphs 459 and 460.

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455. When repairs to stores, including armament and artillery material other than those mentioned in paragraph 458 (but exclusive of small arms) cannot be carried out locally, the C.O.O. should apply to the D.D.O.S., Woolwich Arsenal, stating what repairs are necessary, what procedure is recommended to effect the repairs, whether repairs are urgent, and date when completion is desirable.

457. In the event of undue delay in the return of equipment that has been sent to Woolwich for repair a special report should be made by the G.O.C., to the War Office, on the subject.

458. Whenever any service in connection with the mountings, machinery, engines or gear used exclusively by the R.A. and A.O.D. is beyond the resources of the corps or department named, application should be made to the R.E. for assistance.

459. Whenever repairs, painting, or other services, involving the expenditure of working pay, or payments to contractors, are required in connection with the equipments of a unit, an indent will be made by the C.O. on the C.O.O., stating the nature of the work required, and the cost at which it could be carried out by military tradesmen receiving the authorized rates of working pay, or by local contract.

460. The officer making the indent will then be informed of the manner in which the service should be performed; and if it be decided to employ military tradesmen, he will, on the completion of the service, certify on the original indent that the work has been efficiently carried out. The indent so certified will then be attached to the working pay list as a voucher in support of payment.

461. Materials supplied for the repair and preservation of equipment will not be sold, or exchanged, or used for any equipments but those for which they were demanded; nor will any purchase of materials by C.Os. be sanctioned by G.O.C., except in special cases which should be reported for covering approval.

462. In order to regulate the expenditure of material for repair, A.Bs. 281, 282 (or 283), 377 and 388 will be carefully kept by the units concerned, the ledgers being balanced on the 31st March.

Stock will be taken every six months by an officer deputed by the C.O., and compared with the quantity received and the amount expended. The result will be reported to the C.O., who, if satisfied, will sign the store and shop books. Any deficiencies will be charged against the individuals responsible, and recovered on A.F. P 1963.

A.Bs. 282 (or 283) and 377 will be examined once in two years by the C.O.O. of the area, or by officers deputed by him to act on his behalf, not with a view of a detailed audit being made, but with a view of determining whether the regulations have been properly carried out.

The regimental storekeeper will examine A.B. 281 weekly, and satisfy himself that the materials have been expended in work on the public service.

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When units proceed to India, A.B. 282 or 283 will be balanced and forwarded to the C.O.O.

463. Materials supplied for repairing equipment will not, except under special authority, be used for the manufacture of new articles.

464. In making indents for materials for repairing equipment, C.Os. will certify on the indents that credit has been given therein for any material remaining on hand, and that the quantities demanded, together with these, do not exceed the authorized proportion.

B.—ARMS, ACCOUTREMENTS, MUSICAL INSTRUMENTS, HARNESS AND SADDLERY.

1. Arms and Bicycles.

470. Armourers (W.Os. and N.C.Os. of the Armourer Section, A.O.C.) are posted to commands for duty at army ordnance depôts or for employment as circuit armourers. These armourers are under the immediate orders of the C.O.O. of the area in which they are stationed. Armourers are also attached to regiments of cavalry and battalions of infantry, and to such other units as may be specially approved.

471. The stripping or removal of any part of an arm, except by an armourer is strictly forbidden. Testing weapons of any kind in charge of troops is strictly forbidden. This does not apply to local firing tests, for accuracy, authorized by the Musketry Regulations.

472. Should a C.O. doubt whether arms of any description under his charge are serviceable, he will report the matter, stating the reasons for his opinion; the question will be dealt with by the G.O.C, the C.I.S.A. being referred to if necessary.

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At foreign stations where the necessary apparatus is held by the A.O.D. (see Appendix IV, Table 4), the tests of swords and sword-bayonets as described in Instructions for Armourers will, when necessary, be carried out by that Department. These arms are only to be tested when there is doubt as to their serviceability. Periodical testing is not to be resorted to, as frequent bending destroys the serviceability of the blade.

473. Oil and material for the preservation and cleaning of arms are supplied to all units in possession of arms. Units provided with an armourer will also be supplied with the implements, stores, and chemical ingredients required for repairing and browning arms in the proportions detailed in Appendix VIII. Instructions for the care, repair, browning, &c., of arms are printed in the Instructions for Armourers.

474. When materials are required for the repair of arms, the O.C. a squadron or company will certify to the repair being required, and upon such certificate the issue will be made by the quartermaster. The C.O. will subsequently satisfy himself that the repairs have been executed.

475. Armourers will furnish the O.C., the company or detachment with a detailed report of each inspection, upon A.F. G 1048.

476. When a unit requires components in excess of the authorized allowance, the O.C. will furnish an explanation of the cause. The matter will be dealt with by the G.O.C., under paragraph 5; and in deciding whether the issue is to be free or otherwise, he will take into account whether the annual allowance has been drawn periodically in full. If the components are required in connection with a viewer's inspection, the C.I.S.A. will enumerate the excess components on his inspection report to the G.O.C., and will also state, when necessary, if there appears to be reason for charging the unit with the cost of such components.

477. Barrels of rifles damaged beyond local repair will be exchanged for new barrels with bodies, which will be fitted by the armourer, the unserviceable barrels with bodies being returned to the local ordnance dépôt. The foregoing applies also to pistol barrels and "cylinders assembled." All other arms damaged beyond local repair will be returned to A.O.D., and new ones demanded to replace.

478. Regular units not provided with an armourer will have their arms and bicycles inspected annually by a circuit armourer detailed by the C.O.O. of the area. This arrangement does not relieve C.Os. from responsibility as to the care and repair of the arms and bicycles, and arrangements will be made by them for such general supervision of the work of the armourers as will ensure its being properly carried out. They should also arrange for the bicycles on charge to be inspected weekly by an officer. Should repairs be required between the annual visits of the circuit armourer, the C.O. will apply to the C.O.O. who will arrange for the execution of the repairs, either by detailing an armourer to visit the unit or by having the damaged arms or bicycles sent in to the ordnance dépôt for repair, whichever course may be most convenient and economical.

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479. The armament artificers of the A.O.C. attached to horse, field, and heavy artillery brigades will carry out the necessary inspections (but not the repair) of the small-arms in possession.

480. Circuit armourers will be supplied in advance by the O.O. with the components, including "barrels with bodies" estimated to be required for repairing the various descriptions of arms. Such supplies will be written off charge in the ordnance accounts by expense voucher. On completion of the tour, the circuit armourer will produce lists of the components expended on the arms of each unit, supported by the certificate of the C.O. that he is satisfied that the quantities affecting his arms are correct.

The O.O. after satisfying himself that the components, if any, brought back by the circuit armourers are the correct balance, will bring them on charge by certificate voucher.

481. If on examination of the arms, the armourer should meet with an arm which he considers unserviceable, or which may require more extensive repairs than he is able to execute on the

spot, he should report the circumstance to the O.C., who will communicate with the C.O.O. with a view to the arm being returned to store.

482. The circuit armourer will forward a report on A.F. C 366, showing the result of his inspection, to the C.O.Q., and a copy of this report will be forwarded to the O.C. the unit concerned.

When the components expended in the repair of the arms of a unit are in excess of those allowed by the scale in Appendix VIII, the C.O.O. will call on the O.C. the unit for an explanation, and the matter will then be dealt with in the manner indicated in paragraph 476.

483. Where, owing to the ordnance dépôt not being centrally situated in connection with a circuit, it is found more advantageous to post a circuit armourer to a station where no ordnance dépôt exists, such tools and appliances as may be required for his use will be held and accounted for by the O.C. the unit to which he is attached.

The O.C. the unit will obtain from the C.O.O. on indent such components as may be necessary, accounting for them in A.B. 282 and supplying them to the circuit armourer in the manner indicated in paragraph 480.

The circuit of such armourers, and the dates of their visits to the various units in the circuit will be arranged by the C.O.O.

484. Circuit armourers will inspect annually 5 per cent. of the arms stored for reservists in their circuit.

485. The arms in possession of units or detachments abroad will be examined by an armourer quarterly. Should it not be practicable for the work in connection with units and detachments not provided with armourers to be undertaken by the A.O.D., the G.O.C. will detail a regimental armourer to perform the necessary inspection, repair, and re-browning.

In such a case the unit providing the armourer will also provide the necessary materials, which will be obtained from the A.O.D. in the proportions laid down in Appendix VIII.

486. On the return of arms into store any repairs found necessary, which ought to have been performed by the armourer, will be charged against the troops.

487. In cases of injury to barrels, the barrel and body together will be exchanged, but the price of the barrel or cost of repair only will be charged, provided the body is in a serviceable condition. (See paragraph 477.)

488. All tampering with arms is strictly prohibited. Any damages to arms so caused will be charged against the troops.

489. Annual inspections of all arms in possession of the regular forces in Great Britain and Ireland, except those of the R.A.M.C., A.O.C., A.P.C., Gymnastic Staff, and the Royal Military and Staff Colleges, which will be examined triennially, will be made by viewers of the Inspection Department at such times as may be most convenient to the public service. The cost of any repairs found necessary from any cause other than fair wear or tear will be charged against the troops.

490. After every inspection of arms, machine guns, and bicycles by viewers of the Inspection Department, copies of the viewer's rolls and reports, showing the repairs, &c., necessary to put the arms, machine guns and bicycles in a serviceable condition, will be forwarded to the O.C., who will subsequently forward a certificate to the C.I.S.A., through the C.O.O. of the area, to the effect that the repairs, &c., shown thereon, have been carried out.

491. Barrels of rifles found by viewers at their inspection to be "Rusty, to be cleaned by armourer" will be marked by the viewers with a letter "R"; those found rusty and cleaned by circuit armourers will be marked "R". The mark should in each case

be placed on the "knox form," so that the barrels may not again be reported for rust at subsequent inspections, except when allowed to become so bad as to necessitate cleaning in the Ordnance Factory.

492. Barrels of rifles and carbines found by viewers to be cord-worn will, if they are not thereby rendered unserviceable, be marked W; those returned to Ordnance depôts for store or repair and found in similar condition will be marked (W). No charge will be made against the troops at subsequent inspections on account of such cord wear.

The mark will be placed on the left side of the "knox form" at the rear end of the reinforce if the wear is at the breech, and at the front end if the wear is at the muzzle.

493. Stars in front of "knox form" of barrels of rifles, and on the left hand side of the top strap of pistols, denote that the trace of a cut or of rust may be found inside the barrels. Stars on other portions of barrels denote that a trace of exterior erosion exists in the region of the star. A star on the pommel of sword bayonets, denotes that the pommel is cut or otherwise blemished. No charge will be made against the troops at subsequent inspections for such cuts or rust. These stars are placed on the arms at the Royal Small Arms Factory and in A.O.D. shops, but in the latter case the star is enclosed in a ring.

494. To enable the armourer to perform the service of browning arms, he will receive assistance from men of the unit for such periods as may be certified by the C.O. to have been actually necessary, but the proportion of men to the number of arms browned must not exceed :—

For 10—30 rifles	1 man	} For 13 days in the case of M.L.M. and M.L.E. arms, and for 15 days in the case of M.L.E. short rifles.
" 31—50 "	2 men	
" 51—100 "	4 men	
" 10—50 pistols,	1 man	} For 6 days.
" 51—100 "	2 men	
" 10—50 sword bayonets and scabbards,	1 man	} For 3 days.
" 51—100 "	2 men	

The same proportion will be allowed for any number of arms exceeding 100. A greater or less number of men may be employed

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for a shorter or longer time, provided that the total charge for working pay does not exceed that which would have been admissible if the proportions laid down in this paragraph were adhered to.

Men temporarily employed under this paragraph will be allowed working pay at the rate provided for this class of work in the Pay Warrant, and under the general rules regulating the issue of working pay in the Pay Warrant.

495. When the browning of certain components of rifles is ordered by viewers of the Inspection Department, labour, fuel, and browning materials will be allowed in the following proportions :—

Barrels, with body ; band, inner ; &c. ...	$\frac{33}{60}$	} of the amounts authorized for the browning of complete rifles.
Bolts, breech	$\frac{2}{60}$	
Bands, outer... ..	$\frac{2}{60}$	
Caps, nose	$\frac{8}{60}$	
Cases, magazine	$\frac{8}{60}$	
Guards, trigger	$\frac{3}{60}$	
Plates, butt	$\frac{2}{60}$	
Windgauges, backsight	$\frac{1}{60}$	

496. When new rifles have been issued to units, and the sword-bayonets and scabbards in use with the arms returned have been retained, labour, fuel, and browning material will be allowed for the purpose of browning the sword bayonet and scabbard components in the following proportions:—

Labour	$\frac{1}{8}$	} Of the regular authorized amounts for biennial browning of rifles.
Fuel	$\frac{1}{6}$	
Browning material $\frac{1}{8}$		

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497. No charge will be made against the troops for browning their arms, when the service is rendered necessary by fair wear. Under ordinary circumstances browning should last for two years.

498. N.C.Os. in possession of a certificate granted by the C.I.S.A. or by the Commandant, Ordnance College, as having passed a course of instruction in the repair of service bicycles, will carry out repairs to the machines on charge of the unit to which they are attached, except repairs which necessitate brazing or stove enamelling, for which services bicycles should be returned to Woolwich.

When the services of a qualified N.C.O. are not available regimentally, the C.O.O. of the area will make the necessary arrangements for the repairs to be carried out. (*See* paragraph 478.)

499. Units in possession of service bicycles may keep up a stock of components and materials for repair, which will be accounted for in A.B. 388. No one article must exceed one shilling in value, and the total value of such stock must not exceed five shillings per bicycle on charge.

Indents for the maintenance of these stocks will be submitted to the C.O.O. as directed in paragraph 23. When extensive repairs are necessary and the stock of components is inadequate to meet requirements, intermediate indents will be submitted.

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Only such components as are supplied by the A.O.D. will be used in the repair of service bicycles; local purchase by the A.O.D. is prohibited.

500. Materials for cleaning and preservation will be issued to all units in possession of service bicycles, in the proportions detailed in Table 2, Appendix IX.

Materials for browning bicycles as detailed in the above mentioned table will be issued to units provided with an armourer.

500A. Bicycle tyres are not to be returned to Woolwich, either upon bicycles or otherwise, except in special circumstances requiring expert opinion.

Tyres which cannot be repaired locally should be disposed of as not worth cost of repair.

500B. At Home stations tools for the repair of bicycles as detailed in Table 5 of Appendix IV will be issued during peace for the use of armament artificers of Horse and Field Artillery brigades, and for armourers of cavalry regiments and infantry battalions.

These tools form part of the war equipment of cavalry regiments, mounted infantry battalions and infantry battalions, and will be carried in the bag referred to in paragraph 500D when on active service.

500c. During peace, additional tools as detailed in Table 5A of Appendix IV may be obtained on loan from the A.O.D. when required for the use of armourers of cavalry regiments and infantry battalions at home.

When units are stationed at a distance from an ordnance dépôt, the tools may be held on permanent equipment ledger charge on the authority of the G.O.C.

500D. One "Bag, tool, armourers, bicycles," containing components for the repair of bicycles as detailed in Table 1 of Appendix IX will be held with the mobilization equipment of each of the units referred to in that table.

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2. Accoutrements.

501. The accoutrements of units detailed below will be repaired by the shoemaker of the unit, or such other person as may be directed by the C.O.

For this service the undermentioned sums will be allowed annually for every 10 (or less) sets of accoutrements in use :—

	s.	d.
Company of infantry	1	2
Units of R.E. (except mounted units)	1	0
Company of R.G.A., Local Companies, R.A., and Bermuda Militia Artillery	0	10
District Establishment, R.A.		
Dismounted Dépôt Company A.S.C.		
Company or detachment of R.A.M.C.		
Dépôt of R.A.M.C.		
Company or section of A.O.C.		

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These allowances are intended to cover the repair of all the items included in the personal equipment of the soldier, whether buff, black, brown or web, or any combination of these.

In addition to the above, *depôt* companies of R.G.A. will be allowed $\frac{1}{2}d.$ per annum for each belt, not forming part of a set of accoutrements, held on charge for recruits.

502. The allowance for the repair of accoutrements will be claimed in advance, for the whole financial year, in the month of April, upon A.F. P 1900, and will be charged in the battery or company pay list.

503. Waxed thread and tools will be provided out of this allowance, the articles allowed for repair of accoutrements being supplied by the A.O.D.

504. The repair of the metal work will be part of the ordinary duty of the armourer, or smith, where one is available.

505. The use of oxalic acid or other injurious materials for cleaning accoutrements is strictly forbidden. Such parts of black accoutrements as would show brown when in use may be blackened with ordinary blacking, but no other colouring matter is to be used.

506. Material for the preservation of brown leather accoutrements in possession of troops will be provided under regimental arrangements.

When brown leather accoutrements require to be cleansed from dust and dirt, they should be washed with yellow bar soap and water, and dried in the shade. Two bars of soap per month per company will be found ample.

To preserve and polish brown leather accoutrements, a dubbing composed of :—

10 ozs. of clean mutton tallow,
6 ozs. of pure beeswax,
3 drams of camphor,

melted and mixed over a slow fire, should be used. These ingredients will make one pound of the composition, which should be rubbed on to the grain, or smooth side of the accoutrements, with a piece of coarse cloth, using as much friction as possible to enable the fatty substance to penetrate. A portion of the wax will then remain on the surface, and dry rubbing will always bring on a polish. An application of this composition once a month will, in ordinary circumstances, be found sufficient, and an allowance of 2 ozs. per man per month will be found ample; but whenever it is necessary to clean the accoutrements with soap and water, an application of the composition should always be made before the leather is quite dry. When accoutrements get stained with mildew or perspiration, or otherwise, a slight application of limejuice will remove the stains.

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507. (i.) Materials for the repair of bandolier equipment may be drawn in the proportions detailed in Appendix X.

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(ii.) Water-bottles requiring repair will, in the case of—		
(a.) R.A. units	...	be repaired by regimental artificers. Materials for repair will be supplied in the proportion laid down in Appendix X.
R.E. units	...	
Cavalry regiments	...	
Infantry battalions and dépôts	...	
M.I. battalions	...	
A.S.C. companies	...	
A.O.C. companies or sections	...	
(b.) All other units, Schools of Instruction, &c.		be sent to the nearest Ordnance dépôt for repair.

(iii.) Materials for the repair of other accoutrements will be supplied in the proportions specified in the several sections of Equipment Regulations, Part 2.

508. Materials required to replace others lost or damaged by neglect, will be charged against the troops.

509. When any article, comprising two or more component parts, has become in part unserviceable in time of peace, such new parts as may be required will be obtained from store and attached by the artificers of units, free of charge. C.Os. will take care that no article of equipment in use is ripped to pieces until the new parts required from store have been received and can be sewn on without delay.

510. In cases where the indents for accoutrements to replace unserviceable articles are very large, and where C.Os. consider that it would be inexpedient to allow the equipments of their units to be rendered incomplete, even for a short time, accoutrements of the kind referred to in paragraph 509 may be demanded in a complete state.

3. Musical Instruments.

515. Instructions for the care and preservation of flutes and piccolos are contained in Appendix XXIII.

4. Harness and Saddlery.

516. The authorized proportions of materials for repair of harness and saddlery, as detailed in Appendix XI, are based upon the average quantities required for the repair of articles which have been some years in use. With new equipments the same amount of materials will not be required, and in making indents C.Os. will demand only what is actually requisite. Needles for the repair of harness and saddlery may be drawn annually, at the rate of one sewing needle to five sets of saddlery or single sets of harness, and one harness needle to four sets of saddlery or single sets of harness.

517. Repairs to saddle blankets carried out by regimental saddlers should be done with grey worsted and with a herring-bone stitch, about five to the inch. The edges should be drawn together and not overlapped.

The stitching in all cases should be so executed that the rent, or patch, when repaired, may lie flat.

Torn blankets can generally be repaired without patching; but when material is used, it should, as far as possible, match the blanket.

518. All cuttings from the undermentioned materials supplied for repairing harness and saddlery, as well as the unserviceable parts and material named, will be returned to store, as opportunity offers :—

Cuttings from	{	canvas.	|	Flaps, saddle.
		cloth.		Hair, old, horse.
		leather.		Junk, old.
		numnahs.		Seats, saddle.
		serge.		
	{	sheepskins.	|	
Metal-work,	{	brass bosses,	{	bits.
		copper rivets, saddles, universal.		cruppers and breastplates.
		iron (from saddles generally).		

519. Detailed instructions for the care and preservation of the leather of harness and saddlery are contained in Appendix XIV.

5. Surveying, Drawing, and other delicate Instruments.

521. Surveying, mathematical, drawing, telegraph, and telephone instruments are not to be smeared with oil or mineral jelly. These instruments are mainly constructed of gunmetal or brass and are lacquered or otherwise protected; it is, therefore, only necessary to wipe them over carefully with a slightly oiled soft rag, finally removing all oil. No great amount of force should be used.

SECTION XVIII.—DURATION OF EQUIPMENT.

524. Under ordinary circumstances of continuous use, equipment should remain serviceable for the following periods :—

The period of duration for articles issued part worn is to be taken as half that for new articles.

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Description.	Duration in years.	Remarks.
All articles (except those detailed below and those stores which are issued periodically) ...	12	
<i>Weedon Section.</i>		
Scabbards, { sword-bayonet ...	8	
{ sword, cavalry ...	10	
Bottles, oil ...	8	
Pullthroughs—		
Weights ...	8	
Reflectors, mirror, S.A., 303-inch ...	8	
Tubes, aiming ...	5	
Flags, lance ...	2	
Stamps, steel, { figures ...	5	
for metal and { $\frac{5}{16}$ -inch, { letters ...	10	
for wood, { dash lines, $\frac{1}{2}$ -inch	10	
<i>Not in Vocabulary.</i>		
Scabbards, sword, staff-serjeants, “Sam Browne” ...	8	
<i>Section No. 1A.</i>		
Aprons, leg ...	10	
Bags, ammunition, canvas ...	4	
{ pouch, { cavalry, household	7	
buff, { G.S. ...	8	
Belts, { waist, brown, sword, “Sam Browne” ...	7	
{ waist, { household cavalry ...	7	
buff, { M.S. ...	9	
Bottles, water enamelled ...	—	No definite period can be fixed.
Carriers, water-bottle, with shoulder strap ...	6	
Cases, brown, pistol ...	9	

Description.		Duration in years.	Remarks.		
Section No. 1A—contd.					
Covers, mess-tin, drab, duck ...		3			
Frogs, { black, bayonet, G.S. ...		8 (a)			
{ brown, wire-cutter ...		10			
{ brown, or buff, bayonet, G.S. ...		12 (b)			
Haversacks { G.S. ...		6			
{ other services ...		9			
Knots, sword ...		4	Rifles.		
...		8	M.P.S.C.		
...		6	Other corps.		
Lanyards, { pistol, khaki ...		3			
{ whistle, cavalry ...		3			
Pouches,	{ am- muni- tion,	{ household cavalry, ...	7		
		{ black ...	10		
		{ brown, pistol ...	10		
		{ buff, rifle, 20 rounds in chargers ...	10		
		{ writing materials ...	7		
Slings, { carbine or rifle, buff ...		8			
{ rifle, web ...		4	5 for Guards.		
Straps,	{ black, water-bottle ...	4			
		{ brown, or buff, water-bottle ...	5		
		{ web, water-bottle ...	3		
		{ mess-tin, mounted services ...	6		
Tins, mess ...		3			
Web equipment, patt. '08, A.O. 290 1909 A.O. 113 1910	{ belts, waist ...	9			
		{ braces, with buck'le ...	9		
		{ cartridge, 75 rounds	9		
			{ intrenching { head ...	5	
				{ tool, { helve ...	9
		{ water-bottle ...	5		
		{ frogs ...	5		
		{ haversacks, { ...	9		
			{ converted ...	5	
		{ packs ...	9		
{ straps, supporting ...	9				
Bandolier equipment, patt. '03,	{ bandoliers ...	6			
		{ belts, waist ...	6	8 for Guards.	
		{ carriers, great-coat ...	3		
		{ covers, mess-tin, D.S. ...	4		
		{ pockets, cartridge ...	6		
		{ straps, great-coat ...	6	8 for Guards.	

(a) 16 years for units in possession of web equipment.

(b) 20 " " " "

Description.	Duration in years.	Remarks.
<i>Section No. 1A.—contd.</i>		
Valise equipment, patt. '88 or patt. '82,	{ belts, waist, G.S. ...	9 (a) Rifles.
	{ braces ...	12 (b) Other units.
	{ pouches, ammunition ...	9 (a) Rifles.
	{ straps, great coat ...	10 (b) Other units.
	{ straps, mess t.n ...	9
<i>Section No. 1B.</i>		
Bugles ...	{ 4 6	Mounted units. Dismounted units.
Cases, {	drum ...	10
	flute or piccolo ...	6
Drums, {	(bass, side, or silent) ...	10
	cords ...	$\frac{2}{3}$
	heads ...	1
	sticks ...	10
Flutes ...	...	6
Piccolos ...	...	6
Strings, bugle and trumpet ...	...	$\frac{1}{2}$
Trumpets ...	{ 4 6	Mounted units. Dismounted units.
<i>Section No. 2A.</i>		
Ropes, {	head, hemp, with ring ...	6 (c)
	heel ...	6
Sacks, corn ...	...	5 (c)
<i>Section No. 2B.</i>		
Implements, intrenching, pattern 1908 ...	...	7
<i>Section No. 5A.</i>		
HARNESS, POLE DRAUGHT, G.S.		
Attachments, hame, supporting pole bar ...	...	5
Breechings ...	...	7

(a) 16 years for units in possession of web equipment.

(b) 20

(c) When in "permanent" stables only. On other occasions the period of duration will depend on the nature of the service.

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Description.	Duration in years.	Remarks.
Section No. 5A—contd.		
HARNESS, POLE DRAUGHT, G.S.		
—contd.		
Cases, horseshoe	7	See Saddles, steel arch (Sec. 6).
Chains, hame, with ring	6	
Collars, breast	6	
Collars, neck	7	
Cruppers (and dockpieces)	7	
Hames	16	
Leggings, drivers	7	
Neckpieces, pole bar	5	
Pads, collar	3	
Pannels, numnah, drivers	7	
Pieces, buckling	7	
Reins, { bearing	5	
{ driving, long... ..	6	
{ leading	5	
Saddles, S.A., drivers	—	
Straps, { hip, long, wheel	4	
{ kicking	10	
{ all other kinds	5	
Traces, { chain, hame attachment	6	
{ rope (or wire)	7	
Tugs, { hip or loin straps	7	
{ neckpiece	5	
Whips, drivers and driving	3	
HARNESS, SHAFT DRAUGHT.		
Bands, back	7	
Girths, luggage	7	
Numnahs, felt, luggage	3	
Pannels, numnah, luggage	7	
Reins, side	5	
Straps, girth	5	
Tugs, backband	7	
HARNESS, A.S.C.		
Collars, head	4	
Pads, back	6	
Traces, converted	7	
Attachments, releasable, with ring	5	
Chains, with hook and link	5	
Pieces, leather	5	
Ropes	2	
All other articles	—	
		As for corresponding parts of P.D.G.S. harness.

Description.	Duration in years.	Remarks.
<i>Section No. 5A—contd.</i>		
HARNESS, G.S.O.P.		
Hooks, pole bar	10	As for corresponding parts of P.D.G.S. harness.
Traces, hooks	5	
All other articles	—	
MISCELLANEOUS ARTICLES.		
Bags, { corn	8(a)	54 Gen. No. 954
{ nose, G.S.	3(a)	
Bridles, snaffle	3	
Scissors, trimming	4	
Straps, { all kinds except kicking	5	
{ kicking	10	
Whips, { driving	3	
{ hand	1	
{ longeing	2	
<i>Section No. 5B.</i>		
Cases, pioneer equipment, cavalry, large	9	
<i>Section No. 6A.</i>		
SADDLERY, OFFICERS.		
Collars, head	5	As for corresponding parts of universal saddlery.
Girths, web	3	
Skins, lamb or leopard	7	
All other articles	—	
SADDLERY, HOUSEHOLD CAVALRY.		
Skins, sheep	6	As for corresponding parts of universal saddlery.
All other articles	—	

(a) When in permanent stables only. On other occasions the period of duration will depend on the nature of the service.

(EQ. R. 10070)

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Description.		Duration in years.	Remarks.
<i>Section No. 6A—contd.</i>			
SADDLERY, UNIVERSAL.			
Bits, portmouth, reversible—			
Heads, bridle	...	5	
Blankets, saddle	...	4	
Breastpieces	...	7	
Breastplates	...	5	
A.O. 113 1910 | Buckets,	{ lance	5	
	{ rifle, { Mark III or IV	5	
	{ cavalry	4	
	{ tool	5	
		5	
Cases, horseshoe	...	7	
Collars, head	...	4	
Cruppers, saddlery	...	7	
Frogs, sword, saddle	...	5	
Girths, { cord	...	3	
Leathers, stirrup	...	5	
Martingale, breastplate	...	5	
Numnahs	...	3	
Pannels, numnah	...	8	
Protectors, cape or cloak	...	8	
Reins, bit	...	5	
Saddles, steel arch—			
Flaps, seats, and V girth attach- ments	...	6	
Stirrups	...	16	
Straps, all kinds	...	5	
Surcingles	...	5	
Traces, saddlery and tugs	...	7	
Wallets	...	7	
<i>Section No. 8c.</i>			
Flags, signal, army,	{ 3-ft. square	2	
	{ 2 „ „	1½	
	{ Poles { 5-ft. 6-in.	4	
	{ 3-ft. 6-in.	3	
<i>Section No. 11.</i>			
Brushes, water, carriage	...	1	
Chests, clothing or school materials	...	15	

Cavalry.
Other units.

Description.	Duration in years.	Remarks.
<i>Section No. 12.</i>		
Matchets	6	
<i>Section No. 15B.</i>		
Binoculars (and cases)	7	} When in constant use.
Telescopes (and cases)	7	
<i>Section No. 21B.</i>		
Bicycles... ..	6	

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525. The periods of duration laid down in the preceding paragraph are not intended in any way to govern the time for exchanging the stores (*see* paragraph 27).

Should it appear that articles are becoming unserviceable before they have been in use the prescribed periods, enquiry should be made into the cause thereof. In the absence of sufficient reason to explain the premature unserviceability of stores the troops are liable to be charged under paragraph 105.

526. On active service, and at stations abroad, the periods of duration are liable to vary according to the nature of the service and the climate, but the prescribed periods will be adhered to as far as possible.

SECTION XIX.—DUTIES OF ARMOURERS.

527. Armourers will perform the following duties:—

(a.) Execute all repairs required to the arms (including lances, pistols, swords, and scabbards) in possession of their respective units; and perform any other work, within their capabilities, required to the equipment of their units and repairs to helmets and chains, busby chains, lancer cap chains, and the brasswork on the lancer cap. Execute repairs to bicycles as directed in paragraph 498.

(b.) Inspect—

Quarterly—All rifles, pistols, sword-bayonets and scabbards in use.

Monthly—All bicycles on charge.

In each case defects are to be made good (*see* paragraph 477 as regards arms), and a brief report of the general result of the examination will be rendered to the C.O.

Brown, with the prescribed assistance, any bicycle components and the components of such arms, including machine guns, as may (Eq. R. 10070)

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require it. (As far as possible, the quarterly inspection to take place on Saturdays, or after 4 p.m. on other days, so that the training of the troops is not interrupted.) Apply composition preserving arms between fore-ends and barrels periodically in accordance with the instructions in Table 11, Appendix VIII. Thoroughly strip yearly for examination and cleaning all bicycles, rifles, and pistols in use. Examine yearly all swords and lances. (The yearly strippings and examinations to take place during the winter season.) Examine and clean all arms and bicycles issued from store before they are placed in the hands of the troops, removing any excess of lubricant from the barrels and actions of the arms. Examine and clean all machine guns and bicycles in accordance with "Instructions for care and preservation," and the Handbook on Military Bicycles.

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(c.) Mark all arms that may be supplied, also the drums, bugles, or trumpets. Perform all repairs to the iron and metal-work of accoutrements, saddlery, and appointments, including the roughing of stirrup irons which is to be done every third year, or oftener if necessary. Keep in repair the tools in the armourer's boxes, and within the limits prescribed in paragraph 331, manufacture when necessary, tools not included in the set detailed in Appendix IV. Execute repairs required to Weedon Section articles held on inventory charge of the unit to which they are attached.

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(d.) Within working hours, the services of armourers will, when the duties of their own units admit, be generally available for the performance of any of the above duties for other units or departments, without extra remuneration; but the employment of an armourer with another corps is limited to the case of units without artificers,—or to cases in which artificers are attached, but additional assistance is required under exceptional circumstances.

(e.) Execute repairs necessitated by carelessness or wilful damage, without addition to pay.

(f.) Fit the plates supplied with cork helmets.

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528. Circuit armourers will examine, repair, and rebrown, as necessary, the arms and bicycles of all units not provided with armourers, including units of the Special Reserve, in the districts allotted to them. (See paragraphs 478 and 498.)

529. Armourers will, in addition to the duties laid down in paragraphs 527 and 528, execute any trifling repairs, and also such other work within their capabilities as, under special authority, they may be called upon to perform.

530. Armourers are not allowed to make any charge against a soldier for work performed on the arms.

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531. It is the duty of an armourer not merely to carry out any particular repair to an arm for which it may have been sent to him, but to ensure that the arm is servicable in every respect before it leaves his hands.

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APPENDIX I.

Referred to in paragraphs 13, 14, and 95.

INSTRUCTIONS FOR KEEPING EQUIPMENT LEDGERS.

1. The ledgers will contain a record of all permanent equipment received or issued. They will be balanced up to 31st March in each year, and will be forwarded, with the vouchers in support, from home stations direct, and from stations abroad through the C.O.O., before the 1st May, to the War Office or local audit office. The vouchers should be laid flat in the equipment ledger.

2. Copies will be kept of all equipment ledgers sent for examination. Should any queries arise on the examination of the ledgers, copies of such queries and of the replies thereto will be retained by the accountant, who will correct his copy of the ledger accordingly.

3. On a unit being disbanded, or embarking for India, the equipment ledger will be balanced and forwarded to the War Office or local audit office.

4. When equipment is transferred from one accountant to another, stock will be taken by the board referred to in paragraph 13 of these Regulations. Any stores found to be surplus will be brought on ledger charge by certificate receipt voucher, which will be signed by the officers who sign the certificate referred to in paragraph 6. Deficiencies will be struck off charge and dealt with as laid down in King's Regulations.

5. A balance will then be struck as directed in paragraph 15 of this Appendix, which will show the total of each article of equipment for which the officer who takes over command is responsible.

6. The following certificate will then be furnished, and will accompany the equipment ledger when rendered for audit :—

We certify, in accordance with paragraph 13 of the Equipment Regulations, Part 1, that on the transfer of the equipment of the (a) _____ on the (b) _____ the whole has been inspected by us, and has been found to be properly appropriated, in good condition, and to agree in the quantities and numbers of the several articles actually in possession, with those shown in the equipment ledger.

President

Members { _____

Officer giving over charge.

Officer taking over charge.

(a) Here insert the unit.

(b) Here insert the date.

7. Os.C. detachments referred to in paragraph 104 of these Regulations will render equipment accounts in accordance with these regulations, so long as they remain independently detached.

8. When a detachment of infantry is attached to a battalion, the equipment will be transferred by voucher to the O.C. the battalion, but will be accounted for by him in a separate ledger, A.B. 239.

Upon such a detachment returning to its own unit, or being transferred to another unit, the detachment ledger will be closed and rendered for audit, together with its vouchers, to the War Office, or local audit office.

9. Stores supplied in sets, or as complete articles, for which a single heading is provided in the printed equipment ledger, will be so accounted for. Thus, chests with tools will be shown as "chests, tool, filled." A certificate will be given at the end of the ledger by the C.O. that the sets and tool chests are complete, and contain the articles that should be comprised in them, as detailed in the regulations. When articles charged in detail are taken on in the equipment ledger as sets, reference will be given to the paragraph or table of the regulations which gives the detail of the set. Articles drawn from the A.O.D. to replace losses, &c., in these sets will be taken on charge in the ledger, and the corresponding articles paid for or returned to store will be written off under the same heading.

Transactions in component parts of complete articles will be recorded in the ledgers in the same way (but see paragraph 97).

If the two transactions do not occur in the same period of account, explanatory cross references will be given on each of the vouchers concerned.

10. All transactions of receipt and issue that should be recorded in the ledgers will be posted therein as soon as possible after they occur, and will be supported by vouchers.

11. Vouchers for stores issued are called issue vouchers, and are posted on the right hand or credit side. Vouchers for stores received are called receipt vouchers, and are entered on the left hand or debit side of the ledger.

12. Both receipt and issue vouchers will be filled in by the insertion of the total numbers only, in the column of the voucher headed "total number or quantity," the columns S. R. U. and D. being left for use of the A.O.D.

13. The ledger folios on which entries are made should invariably be recorded on the vouchers supporting the account in the column headed "ledger folio."

14. Receipt vouchers and issue vouchers will be kept distinct from each other, arranged consecutively according to date, and numbered on the face of the voucher in two distinct series from 1 upwards for the whole period of the account. The total number of each series will be stated on the inside cover of the ledger.

15. The ledger is balanced by adding up the receipts on the left hand side, and the issues on the right hand side of the ledger. The total issues are then brought over to the left hand side and written immediately under the total receipts, the quantities left becoming the ledger balance or "remain." The remain, when carried forward as the commencing line of the next account, is called the "state."

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16. In forwarding the equipment account, the O.C. will certify that it has been carefully checked by an officer appointed by him for that purpose, who will sign the ledger in evidence of such examination.

17. Officers will take care that the ledgers and vouchers are not ticked or altered with coloured pencil or coloured ink, that no correspondence is carried on upon them, and that no erasures are made. No entries in black lead pencil should be made, either in the ledgers or on the vouchers. Any necessary corrections will be made in black ink or indelible pencil and will be duly initialed, in the case of vouchers by the person who signs the vouchers, and in the case of ledgers by the responsible accounting officer, but the original entries should remain legible.

18. In order to assist C.Os. in accounting for equipment distributed to companies, squadrons, or detachments, A.F. B 292 for cavalry and A.F. B 293 for other arms will be rendered monthly to the O.C., who will then compare the totals of the stores shown in these returns with the numbers or quantities shown in the equipment ledger.

19. The attention of equipment accountants is specially directed to the provisions in the Regulations in regard to the following :—

	Paragraph of Regulations.
Stores, &c., in excess of authorized proportions ...	5
Dispensing with stocktaking board	14
Indents and authority for issue	21, 22
Issues to units on repayment... ..	31
Condemned haversacks, mess-tins, and mess-tin covers	56
Vouchering of stores returned to the A.O.D. ...	57, 58
Accounting for fired ammunition cases	76
Condemnation of stores	82, 101
Loss, injury, or destruction of stores or equipment	85, 99-101
Consumable articles and materials for repair ...	97, 462
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Stores condemned locally	55, 102
Loss by desertion	109
Verification of list of official books, &c. ...	115-117
Stores for cleaning, preservation and repair of mobilization equipment	194
Officers saddlery	275
Stores for instruction in field training	322

Active Service.

20. On receipt of orders to mobilize, the O.C. a unit of the Expeditionary Force will prepare to transfer the equipment account to the officer in charge of details left behind.

21. After the unit has been placed under orders for active service and before leaving its place of mobilization, the C.O. will write off

charge in the ledger by certificate voucher the whole of the equipment taken by the unit.

22. The balance of the peace equipment, with the ledger, will be handed over to the officer in charge of details immediately prior to the unit leaving its place of mobilization for active service.

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23. If after the ledger has been handed over, but prior to embarkation or taking the field, the C.O. issues stores or equipment to another unit or department, he will notify the O.C. details, who will obtain a receipt from the receiving officer. The O.C. details will not enter the transaction in the ledger but will forward the receipt with the vouchers accompanying the account.

24. The O.C. details will arrange with the C.O.O. for the return of all surplus equipment in his charge to the A.O.D., and as soon as the men left behind have been transferred with their equipment, the ledger will be closed and rendered for audit.

25. If no officer of the unit is left with the details, the O.C. will apply to the G.O.C. to nominate an officer to carry out, in conjunction with the O.C. the unit, the above instructions.

26. Units of the Expeditionary Force formed on mobilization (except Hospital Ships) which do not exist in peace will not open equipment ledgers.

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27. Regular and Special Reserve units other than those allotted to the Expeditionary Force will not close their accounts on a general mobilization, unless ordered to do so by the Army Council.

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Reopening accounts on Demobilization.

28. At the earliest possible date after the termination of hostilities, or on the return of the unit to peace conditions, a regimental board of officers will be assembled. This board will take stock in detail of all equipment stores in possession of the unit, whether supplied from store, purchased, captured, or commandeered, and the stock then found by the board will form the opening balance of a new equipment account, which will be kept thenceforward by the unit as a peace account. The stock-taking board will furnish the C.O. with a certificate that the stock, as entered in the state of the new ledger, agrees with the quantities as found by them, and this certificate will be forwarded with the account when it is rendered for audit.

29. On the earliest convenient opportunity after the opening of the new accounts, the stocks and the accounts of units will be checked by specially appointed officials or members of the local audit staff as may be decided by the Army Council.

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APPENDIX II.

Referred to in paragraphs 91 and 158.

SURVEYS ON THE EQUIPMENT OF TROOPS PROCEEDING TO OR RETURNING FROM INDIA.

GENERAL INSTRUCTIONS.

1. The equipment of troops proceeding to or from India is transferred on payment (except as provided in paragraphs 23 and 24 of this Appendix) from the Imperial to the Indian Government, or *vice versé*, on the date the troops are transferred to or from Indian pay, *i.e.*, in the case of—

- (a) Ordinary { troops proceeding to India : from the date of
reliefs, { embarkation.
 { troops returning from India : from the date of
 { the arrival of the vessel in port.
- (b) Indo-Colonial reliefs at Imperial expense on the day of disembarking in, or embarking from India.

A special survey on the equipment of troops so proceeding will always be held for the purposes of ensuring that the equipment transferred from one Government to the other is correct and serviceable, and of affording a basis for the adjustment of its value between the War Office and the India Office. (*See also Clothing Regulations.*)

2. Such surveys will be held as follows :—
In the case of—

All units embarking *for* India.

			Prior to embarkation.
		{ for Home	{ After disembarkation.
		„ Egypt	
		„ Mediterranean	
„	„	„ any other	{ Prior to embarkation.
„	„	station	

3. The dates upon which these surveys will be carried out will be arranged by the Inspector of Military Equipments, appointed by the Secretary of State for India to represent the Indian Government, who will attend all such surveys held at home, in Egypt, and in the Mediterranean stations.

The General Officer or Brigadier-General in charge of administration in the command in which the unit is stationed will be informed by the Inspector of Military Equipments, India Office, of the dates when it is desirable the survey should be held, which, in the case of a unit embarking for India, will usually be about one month prior to embarkation.

An ordnance officer in the command concerned will be detailed to represent the Imperial Government, who, with the representative of the Indian Government, will constitute the board of survey.

4. When the Secretary of State for India does not send a representative, *i.e.*, at stations abroad other than those named in paragraph 3, the G.O.C. will in all cases convene a special board for the survey not less than one month before the day fixed for embarkation, constituted, when practicable, as follows :—

A field officer, not of the unit concerned	...	President.
A captain of the unit	... ..	} Members.
An ordnance officer	... ..	

5. At surveys held under paragraph 3, the Inspector of Military Equipments will obtain from the C.I.S.A. the services of a viewer of small arms to assist the board. At surveys held under paragraph 4, expert assistance will be furnished to the board by the A.O.D.

Ordinary Reliefs proceeding to India from Home and Stations Abroad.

6. Full information regarding the equipment to be taken to India will be furnished to the O.C. the unit by the Inspector of Military Equipments, India Office.

7. The following preparations for the survey will be made by the O.C. the unit :—

- (a) The equipment ledger will be temporarily balanced to the date of the survey, and produced before the board.
- (b) Lists of all articles of equipment in possession of the unit will be prepared, for the information of the board, on the forms provided, and as directed in the instructions on those forms, which will be issued in good time to the O.C. the unit concerned by the Inspector of Military Equipments, India Office, S.W.

8. The survey will be taken by squadrons, batteries, or companies, each man bringing up his complete set of accoutrements in order of the lists (paragraph 7 (b)), every article being separated. Cloaks, greatcoats, capes and any other articles of public clothing will be inspected at the same time.

9. The arms, accoutrements, public clothing, and appointments of infantry staff serjeants, drummers, band and pioneers, will be included in the returns of the companies to which they are attached, but the quartermaster's stores, artificers and regimental tradesmens tools, materials for repair, and any other miscellaneous articles of Government property, will be inspected separately.

Any repair material, consumable stores, &c., not on equipment ledger charge, remaining unexpended will be taken in diminution of approved Indian scale, the balance, if any, being returned to the A.O.D.

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10. Armourers tools will not be taken by units to India.

11. Any articles on charge in the equipment ledger which are not produced to the board will be charged against the unit and paid for before embarkation.

12. On the termination of the survey, while the surveying officers are upon the spot, they will draw up a joint report of the result of the survey and will forward the same, accompanied by the detailed forms alluded to in paragraph 7 (b), through the General Officer or Brigadier-General in charge of administration, to the War Office.

13. Articles required to complete the arms and equipment of the unit to Indian strength (including replacement of those condemned and found deficient by the board) will be issued by the A.O.D. on receipt of indents from the O.C., made out on the usual forms, countersigned by the surveying officers (paragraph 3) or by the president of the board (paragraph 4). The stores will be issued before embarkation of the unit. Immediately after the unit has embarked, the C.O.O. concerned will forward to the War Office copies of the issue vouchers for stores that have been supplied in satisfaction of the above indents.

14. All articles of equipment in excess of Indian scales or condemned by the board as unfit to be taken to India, except water-bottles and their adjuncts (*see* paragraph 23), will be returned to store before the unit embarks for India, the usual vouchers being passed. Any such articles taken by the unit to India will have to be paid for by the unit, or returned to England at the expense of the unit.

Ordinary Reliefs proceeding from India to Home Stations and Stations Abroad.

15. In the case of units proceeding from India, a similar special survey will be held by a board constituted as directed in paragraph 3 as soon as possible after disembarkation, the date of which will be arranged for by the Inspector of Military Equipments, as in the case of units proceeding to India, referred to in paragraph 3. When the unit is proceeding to a station abroad other than to Egypt and the Mediterranean, the survey is held prior to embarkation.

16. In the case of inspections held after disembarkation, the C.O. will produce to the board the Indian equipment ledger showing the final balances at the date of embarkation, together with copies of the Indian returns showing the condition and dates of issue of all equipment on leaving India. The necessary forms for the survey will be issued from the India Office, and should be prepared as laid down in paragraph 7 (b). When the boards of survey are held in India prior to embarkation, the procedure laid down in paragraph 22 will be followed.

17. The procedure as laid down in paragraph 12 will be followed, except that the report and detailed forms will be forwarded to the India Office, instead of to the War Office. A statement of the

articles passed by the board as fit to be taken over by the Imperial Government, and which will form a charge in the Imperial equipment ledger, will be furnished in due course to the O.C. the unit by the Inspector of Military Equipments as a voucher to be rendered with the ledger. No obsolete articles, or articles of Indian pattern, will be passed for transfer by the board.

18. The necessary vouchers for disposal of any articles not taken over by the Imperial Government will be furnished to the O.C. the unit by the Inspector of Military Equipments, but no steps will be taken to dispose of any articles not taken over by the Imperial Government until instructions on the subject have been received from him. On no account should such articles be returned to, or accepted by, the A.O.D. for disposal, unless specific instructions to that effect are received by the O.C. the unit and the C.O.O. from the Inspector of Military Equipments. Any claim against the unit for the value of any articles found deficient will be prepared by the India Office.

19. Any articles required to complete the equipment of the unit to the Imperial scale will be demanded on the usual forms as soon as possible after the arrival of the unit at the station on the British establishment to which it is directed to proceed. All such equipment must, until after the survey, be kept quite distinct from that brought from India by the unit. It will not be produced for survey with the Indian equipment. Special intermediate demands on Woolwich or Weedon, as the case may be, should be put forward at once for all articles which may not be available in local ordnance depôts.

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1911

Should the survey be unduly delayed from any cause, an immediate report of the circumstances will be made by the General Officer in charge of administration to the War Office.

Indo-Colonial Reliefs at Imperial Expense.

20. Units which are to proceed to or from India as Indo-Colonial reliefs at Imperial expense will receive instructions to that effect. The boards of survey in these cases will be held prior to embarkation or after disembarkation, as the case may be, in accordance with the provisions of paragraph 2.

21. The procedure as laid down for ordinary reliefs in paragraphs 6 to 14 will be followed in the case of units proceeding to India.

22. When units are inspected before leaving India, only the stores passed by the board as fit to be taken over by the Imperial Government will be taken by the unit on leaving India, and the statement of them drawn up by the board will form the first charge in the Imperial equipment ledger. In the case of units inspected after disembarkation, the procedure laid down in paragraphs 16 to 19 will be followed.

Water-bottles.

23. Water-bottles of home-service pattern will be issued to all troops proceeding to and from India, irrespective of destination. In the case of those issued to drafts they will be written off charge by certificate issue voucher by the units on the British establishment from which the men proceeded. Such vouchers will be supported by a statement showing—

- (a) The regimental number, rank, and name of each W.O., N.C.O., or man for whom a water bottle is written off charge.
- (b) Name of vessel in which they sailed.
- (c) Date of sailing.
- (d) A certificate by the O.C. the unit that each man was in possession of a serviceable water bottle and carrier or strap, on leaving the unit for embarkation.

The O.C. troops on board the vessel conveying the troops to India will, upon disembarkation, arrange for the whole of the water bottles and their adjuncts to be handed over, in bulk, to the Ordnance Officer, Bombay, from whom he should obtain a receipt for them. He will add to this receipt—

- (a) A certificate that a water bottle and its adjuncts, for each man embarked for India, has been handed over to the Ordnance Officer, Bombay;
- (b) A list showing the complete units from which water bottles have been handed over, and the number from each, and, in the case of drafts, the units from which the drafts were made up, and the number of men from each;

and will forward these documents to the War Office.

On embarking from India similar issues of home-service pattern water-bottles will be made, and a receipt given to the ordnance officer by the O.C. the unit receiving the stores. These articles will be omitted from the valuation returns, but in the case of units proceeding to India they will be inspected by the surveying officers and those condemned will be replaced before embarkation.

[Drafts proceeding to, or returning from India.

24. The arms and equipment of such drafts will be dealt with as detailed below. Care must be taken in all cases to ensure the replacement of unserviceable articles prior to embarkation. In the case of articles other than water-bottles and their adjuncts (dealt with in paragraph 23), ordinary receipt and issue vouchers will be prepared and forwarded, immediately after embarkation, to the unit or units in India to which the men have been posted.

Master Gunners, Schoolmasters, Armourers and Armament Artificers.

Master gunners, armourers and armament artificers should always proceed to or return from India with the following articles of equipment :— A.O. 113
1910

Swords and scabbards. Sword belts and knots, mess-tins and covers, haversacks, water bottles and straps or carriers, great-coat and mess-tin straps, and, if in possession, pouch belts and pouches, writing materials, conductors.

Armourers tool boxes and their contents should not accompany armourers proceeding to or returning from India.

Schoolmasters boxes should always accompany schoolmasters proceeding to or returning from India.

Immediately on embarkation for or disembarkation from India, the O.C. the unit on the British establishment (which the men leave or join as the case may be) will forward a return on A.F. G 830 to the War Office. If no equipment is brought from India a "nil" return will be sent.

Water-bottles and their straps or carriers will not be included in these returns. (See paragraph 23.)

Other Warrant Officers, Non-Commissioned Officers and Men.

(i). Under ordinary circumstances will proceed to or return from India unarmed, but will take the following articles of equipment :—

Water-bottle with strap or carrier, haversack, mess-tin and cover or strap.

(ii). When special instructions are issued by the War Office, or the Government of India, W.Os., N.C.Os. and men will proceed to or return from India, with such arms and equipment as may be directed.

In such cases returns on A.F. G 830 will be rendered to the War Office.

APPENDIX III.

*Referred to in paragraph 138.*IMPERIAL TRANSPORTS AND FREIGHT SHIPS
CARRYING TROOPS.

STORES TO BE PLACED ON BOARD BY THE A.O.D.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, see Admiralty Transport Regulations, a copy of which is placed on board.

TABLE 1.

	Description.	Proportion.
	<i>Weedon Section.</i>	
	Rifles, short, M.L.E. ...	10 per cent. of unarmed strength on board (except invalids and time-expired men).
	Sword-bayonets ...	
	Scabbards, sword-bayonet ...	
A.O. 202 1909	Bottles, oil ...	
	Pull-throughs ...	
	<i>Section No. 1A.</i>	
	Belts, waist ...	2 per ship.
	Frogs, sword-bayonet ...	
	Pouches, ammunition ...	
	<i>Section No. 1B.</i>	
A.O. 113 1910	Bugles ...	2 per ship.
	Strings, bugle and trumpet ...	
	<i>Section No. 9A.</i>	
	Oil, petroleum, lubricating ...	2 pints per month during period of voyage.
	<i>Section No. 12.</i>	
A.O. 20 1910	Disinfectors, spray, Mark II ...	1 per ship.
	Handcuffs, common ... pairs	1 per cent. of strength on board.
	<i>Section No. 13C.</i>	
	Flannelette ... yards	25 per month during period of voyage.
	Stretchers, ambulance ...	1 per ship.
	<i>Section No. 27.</i>	
	Cartridges, small - arm, ball, .303-inch (b) ...	60 per rifle for unarmed troops. 200 per rifle for armed troops.
	<i>Not in Vocabulary.</i>	
A.O. 20 1910	Formaldehyde, Winchester quart bottles (a) ...	2 per ship.
120		
Gen. No. 7262	Machines, copying, C.B.D. ...	1 per ship.

(a) Army Service Corps supply.

(b) Complete boxes only to be shipped. When troops are proceeding on active service a supply of .303-inch ball ammunition may, if specially ordered from War Office at the time, be placed on board for musketry practice during the voyage.

TABLE 1—continued. Stores to be placed on board Imperial Transports.

Description.	For use of troops.	Additional for hospital use.	Remarks.
RECREATIVE ARTICLES.			
<i>Section No. 13D.</i>			
Dumb-bells , short, 4 lb. pairs	12	—	
Gloves , boxing	8	—	
Guards , hand, singlestick ...	12	—	
Helmets , singlestick	12	—	
Jackets , fencing	12	—	
Singlesticks	50	—	
<i>Not in Vocabulary.</i>			
Backgammon board and men sets	3	2	Special patterns. To be purchased locally, as required, by the C.O.O. Portsmouth.
Chessboard and men	3	1	
Clubs pairs	12	—	
Dice (Cups 2, Cubes 4)	3	2	
Dominoes sets	6	1	
Draughtboard and men	3	2	
Punch balls	4	—	
Sandow developers sets	4	—	
Solitaire board and balls sets	3	1	
CLOTHING, HOSPITAL NECESSARIES, AND EQUIPMENT.			
<i>Section No. 11.</i>			
<i>Not in Vocabulary.</i>			
Chairs , deck	6	per transport, for the use of invalids. (Not issuable to freight ships.)	A.O. 113 7 1910
<i>Pimlico Section No. 19.</i>			
Crossbelts , sentries	2	per cent. of troops on board with a minimum of 10.	
<i>Pimlico Section No. 20.</i>			
Armlets , worsted, M.P.	1	per cent. of troops on board with a minimum of 4.	
<i>Pimlico Section No. 23.</i>			
Gowns , serge, lined	3	per cent. of troops on board.	
Trousers , serge, lined ... pairs			
Waistcoats { serge lined			
{ strait	1	per vessel.	
<i>Pimlico Section No. 30.</i>			
Shirts { cotton, made	3	per cent. of troops on board.	
{ flannel, white, ordi-			
{ nary, made			

TABLE 1—*continued.* Stores to be placed on board Imperial Transports.

Description.	Per vessel.	Remarks.
BOOKS AND PERIODICALS (c).		
Books, library	300 vols. (a)	(a) Imperial Transports
{ Cassell's	1	only.
{ C. B. Fry's	1	For Troop Freight ships
{ Chamber's Journal	1	the proportion will be:—
{ English Illustrated	1	When the No. of troops em-
Magazines, monthly (b) { London	1	barked does } Vols.
{ Pearson's	1	not exceed 500 } 100
{ Royal	1	When the No. of troops em-
{ Strand	1	barked ex- } 200
{ Windsor	1	ceeds 500 }
Bibles	50	(b) Complete series will
Prayer Books :—		be issued as published.
Church of England	50	
Roman Catholic	20	
Presbyterian	20	
Wesleyan	20	
Simple form of prayer	500	
Hymn books, Roman Catholic	250	
ARMY REGULATIONS. (c)		
Allowance Regulations	1	
Equipment Regulations		
(Part I)	1	
King's Regulations	1	
Manual of Military Law	1	
Priced Vocabulary of Clothing	1	
Priced Vocabulary of Stores		
(Part I)	1	
Ditto (Part II)	1	
Royal Warrant for Pay	1	
Admiralty Transport Regulations	1	
Army List, monthly	1	
Army Orders, Monthly { Complete for filing.		
{ with all publications		
{ issued with Army		
{ Orders	1	
{ Unbacked copies for		
{ cutting up	2	

(c) If the initial port of departure of a vessel is elsewhere than Southampton the O.O. concerned will indent upon the Storeholder, A.O.D., Southampton, for the books, periodicals, and regulations required.

TRANSPORT AND FREIGHT SHIPS CONVEYING HORSES.

A.O. 815
1910

STORES TO BE PLACED ON BOARD BY THE A.O.D.

All horse gear and horse fittings not included in the following list will be supplied under arrangements to be made by the Director of Transports, Admiralty. For detail, see the Admiralty Transport Regulations, a copy of which is placed on board under Table 1.

For 10 horses and under the Admiralty will arrange for the supply of all fittings and stores.

TABLE 2.

Description.	In "Cavalry Transports" and "Freight ships conveying horses accompanying units."	In "Remount Freight ships."
<i>Section No. 2A.</i>		
Rugs , horse	Horse blankets supplied by Admiralty	1 per horse.
<i>Section No. 5A.</i>		
Clippers , horse	4 per 100 horses	Supplied by ship-owners.
<i>Section No. 7.</i>		
Shoeing tools sets	3 per ship	3 per ship.
<i>Section No. 10A.</i>		
Nails , horse shoe sets	40 per 100 horses	40 per 100 horses.
Shoes , horse	5 per 100 horses (sizes as required)	5 per 100 horses (sizes as required).
<i>Section No. 12.</i>		
Cattle killers	1 per ship	1 per ship.
Machines , chaff cutting	1 per 100 animals or less ...	Supplied by ship-owners.
<i>Section No. 27.</i>		
Cartridges , Greener's cattle killing	50 per ship	50 per ship.
NOT IN VOCABULARY.		
Corn crushers	1 for 11 to 50 animals, 2 per 100 animals	Supplied by ship-owners.
Machines , horse-clipping, hand power ...	1 per vessel when the number of animals shipped does not exceed 200 2 per vessel when the number of animals exceeds 200	Clippers, horse, supplied by ship-owners.

INDIAN TRANSPORTS AND FREIGHT SHIPS CARRYING TROOPS TO AND FROM INDIA.

STORES TO BE PLACED ON BOARD BY THE A.O.D.

All articles not enumerated in this list, but approved for use on the voyage, will be placed on the vessel under arrangements to be made by the Director of Transports, Admiralty. For details, see Admiralty Transport Regulations, a copy of which is placed on board.

TABLE 3.

Description.		Proportion.
<i>Weedon Section.</i>		
A.O. 202 1909	Rifles, short, M.L.E. ...	} 10 per cent. of unarmed strength on board except invalids and time-expired men.
	Sword-bayonets ...	
	Scabbards, sword-bayonet ...	
	Bottles, oil ...	
	Pull-throughs ...	
<i>Section No. 1A.</i>		
	Belts, waist ...	}
	Frogs, sword-bayonet ...	
	Pouches, ammunition ...	
<i>Section No. 1B.</i>		
A.O. 113 1910	Bugles ...	} 2 per ship.
	Strings, bugle and trumpet ...	
<i>Section No. 9A.</i>		
	Oil, petroleum, lubricating pints	2 per month during period of voyage.
<i>Section No. 12.</i>		
	Handcuffs, common ... pairs	1 per cent. of strength on board.
<i>Section No. 13C.</i>		
	Flannelette ... yds.	25 per month during period of voyage.
<i>Section No. 27.</i>		
	Cartridges, small-arm, ball, .303-inch (a) ...	60 per rifle for unarmed troops. 200 per rifle for armed troops.
<i>Not in Vocabulary.</i>		
120 Gen. No. 7262	Machines, copying, C.B.D. ...	1 per ship.

(a) Complete boxes only to be shipped.

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	For use of troops.	Additional for hospital use.		Remarks.
		Ordinary Indian Transport.	Transport fitted with extra hospital cot accommodation.	
FOR DIVINE SERVICE.				
Section No. 13c.				
Communion Service, complete	1	—	—	
RECREATIVE ARTICLES.				
Section No. 13d.				
Dumb-bells, short, 4lb. pairs	12	—	—	
Gloves, boxing	8	—	—	
Guards, hand, singlestick ...	12	—	—	
Helmets, singlestick ...	12	—	—	
Jackets, fencing	12	—	—	
Singlesticks	50	—	—	
NOT IN VOCABULARY.				
Section No. 13.				
Backgammon board and men sets	3	2	4	} Special patterns To be purchased locally, as required, by the C.O.O., Portsmouth.
Chessboard and men ..	3	1	2	
Clubs pairs	12	—	—	
Dice (Cups 2, Cubes 4) ...	3	2	4	
Dominoes sets	6	1	2	
Draughtboard and men ..	3	2	4	
Punch balls	4	—	—	
Sandow developers sets	4	—	—	
Solitaire board and balls sets	3	1	2	

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra hospital accommodation.	
CLOTHING AND HOSPITAL NECESSARIES.			
Pimlico Section No. 19.			
Crossbelts, sentries	—	—	2 per cent. of troops on board with a minimum of 10.
Frocks { dowlas... ..	12	—	
{ Khaki drill	20	36	
Trousers { dowlas ... pairs	12	—	
{ Khaki drill... ..	20	36	
Pimlico Section No. 20.			
Armlets, worsted, M.P.	—	—	1 per cent. of troops on board with a minimum of 4.
ISSUED TO, AND SEPARATELY ACCOUNTED FOR UNDER THE INSTRUCTIONS OF O.C. TROOPS ON BOARD, BY THE HOSPITAL COMPOUNDERS.			
Section No. 2A.			
Chairs, camp	—	25	
Sheets, ground	2	2	
Section No. 9A.			
Soap, yellow bars	—	106	
Section No. 11.			
Boards, bedhead	—	100	
Brushes { bed pan	—	3	
{ feeders	—	6	
Chairs, night, frames	2	4	
Inhalers	6	12	

TABLE 3—continued. Stores to be placed on board Indian Transports.

Scale for			Remarks.
Description.	Ordinary Indian Transport.	Transport fitted with extra hospital accommodation.	
Section No. 11—contd.			
Measures, glass, 4 oz.	6	16	
Mugs, drinking	—	27	
Pans { bed, earthen	—	12	
{ night	2	4	
Rests, bed	—	3	
Screens, bedside	—	3	
Sponges, bath	2	18	
Tumblers, $\frac{1}{2}$ pint	—	24	
Warmers { foot... ..	4	10	
{ stomach	4	4	
Not in Vocabulary.			
Chairs, deck	6	6	Transports only. For the use of invalids. (Not issuable to Freight ships.)
Section No. 12.			
Basins, { enamelled, 14 in.	—	14	A.O. 113 1910

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TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	Transport fitted with extra hospital accommodation.	
<i>Section No. 12.</i>			
Porringers , blood	4	4	
Scissors , hair cutting ... pairs	—	3	
Shapes , pudding, 1 pint... ..	12	12	
Spoons , electro-plated, tea	—	12	
Trays , diet, 20 diet	—	6	
<i>Section No. 13A.</i>			
Blankets , white	—	20	
Pillows , hospital, feather	—	12	
<i>Section No. 13C.</i>			
Cloths { bed-pan, covering	—	25	
{ distinctive	—	25	
{ medicine	—	25	
Stretchers , ambulance	1	1	
Towels { hand, hospital	400	800	
{ round	200	400	
<i>Not in Vocabulary.</i>			
Bottles , hot water, indiarubber	—	6	
Formaldehyde , Winchester quart bottles (<i>d</i>)	2	2	(<i>d</i>) A.S.C. supply.
Taps , champagne... ..	—	2	
Trays , dressing	2	10	
<i>Pimlico Section No. 19.</i>			
Aprons , operating	—	3	
<i>Pimlico Section No. 22.</i>			
Slippers { carpet ... pairs	—	50	
{ leather ... „	25	50	

TABLE 3—continued. Stores to be placed on board Indian Transports.

Description.	Scale for		Remarks.
	Ordinary Indian Transport.	fitted Transport with extra hospital cot accommodation.	
<i>Pimlico Section No. 23.</i>			
Gowns { flannel	12	24	
{ serge, lined	40	150	
Handkerchiefs	—	650	
Jackets, sleeping	50	180	
Neckerchiefs	100	350	
Trousers { serge, lined... pairs	40	500	
{ pyjama, sleeping pairs	50	100	
Waistcoats { serge, lined	40	450	
{ strait	1	6	
<i>Pimlico Section No. 30.</i>			
Drawers, flannel ... pairs	—	175	
Shirts { cotton, made	—	900	
{ flannel, white, { ordinary	400	900	
{ made { tropical	—	50	
Socks { cotton pairs	100	100	
{ worsted „	200	400	

		Per vessel.	
BOOKS AND PERIODICALS. (a)			(a) See footnote, page 112.
Books, library	300 vols. (b)		(b) Indian Transports only.
{ Cassell's	1		For Troop Freight ships
{ C. B. Fry's	1		the proportion will be :—
{ Chamber's Journal	1		When the No. } Vols.
{ English Illustrated	1		of troops em- } 100
Magazines, Monthly (c)			barked does } not exceed 500
{ London	1		When the No. } 200
{ Pearson's	1		of troops em- } ex-
{ Royal	1		barked } ceeds 500
{ Strand	1		
{ Windsor	1		
Bibles	50		(c) Complete series will be issued as published.

TABLE 3—continued. Stores to be placed on board Indian Transports.

	Description.	Per vessel.	Remarks.
	Prayer Books—		
	Church of England	50	
A.O. 211	Roman Catholic	20	
1910	Presbyterian	20	
	Wesleyan	20	
	Simple form of Prayer	500	
	Hymn Books, R.C.	250	
0164	"Our Indian Empire"	100	
2658			
	ARMY REGULATIONS (a).		
	Allowance Regulations	1	
	Equipment Regulations		
	(Part I)	1	
	King's Regulations	1	
	Manual of Military Law	1	
	Priced Vocabulary of Clothing	1	
	Priced Vocabulary of Stores		
	(Part I)	1	
	Ditto (Part II)	1	
	Royal Warrant for Pay	1	
	Admiralty Transport Regus.	1	
	Army List, Monthly	1	
	Army Orders, Monthly { Complete for filing (with all publications issued with Army Orders)	1	
	{ Unbacked for cutting up	2	
	TOOLS.		
	<i>Section No. 2B.</i>		
	Axes, pick, complete	155	
	Shovels, G.S.	236	
	<i>Weedon Section.</i>		
	Boxes, tool, filled, regimental armourers	1	Only vessels conveying regiments of cavalry or battalions of infantry.

Only vessels conveying regiments of cavalry or battalions of infantry.

(a) If the initial port of departure of a vessel is elsewhere than Southampton, the O.O. concerned will indent upon the Storeholder, A.O.D., Southampton, for the books, periodicals, and regulations required.

CANVAS DECK SHOES.

Referred to in paragraph 141.

REPORT OF ISSUE made by the Army Ordnance Department to the Master of the

(a) Imperial Transport

((a) Strike out whichever is inapplicable.))

Station _____ Date _____ 19____

[illegible]

The Director of Transports,
Admiralty,
Whitehall,
London, S.W.

Chief Ordnance Officer.

Referred to in paragraphs 330 and 332.

TABLE 1.—Tools for the Repair of Rifles, short, M.L.E.

Description.	Quantity allowed.	Remarks.
<i>Weedon Section.</i>		
Boxes , tool, empty, regimental armou- rers	1	
Anvils , stock butt { M.L.E.	1	{ For converted Marks II* and IV rifles.
{ R.S. M.L.E.	1	{ For Marks I and I*, converted Mark II and Mark III rifles.
Awls , blades, armourers	2	
Boxes , oilstone, dust	1	Containing 6 oz. of dust.
Braces , armourers	1	
Braces , armourers, bits { countersink, rose	1	
{ rimer { $\frac{1}{2}$ -round	1	
{ 4-square	1	
{ 5 "	1	
{ butt plate screw	1	
{ screw-driver { stick, cleaning	1	
{ chamber	1	
{ stock-bolt, M.L.M.	1	
{ spoon	1	
Bushes , stop, rod, cleaning, '303-in., No. 2 (a)	1	{ To be placed on rod No. 2 to make it suitable for Rifles, short, M.L.E.
Cans , oil, lubricating, armourers	1	
Chisels , hand, cold { $\frac{1}{4}$ in. x 7 in.	1	
{ $\frac{3}{8}$ " x 7 "	1	
Clams , vice—		
Parallel, { cork-lined ... pairs	1	
regimental { leather-lined	1	{ For Mark II box.
armourers, {	1	Not in Mark II box.
Standing, armourers... ..	1	
Corks , clam	4	
Drifts , fore-end, { Mark I*	1	{ For rifles, short, '22-inch, R.F.
M.L.M. rifle, { " II	1	

(a) Not required if rod, cleaning, 3/32-inch No. 4 is in possession.

TABLE 1—continued. Tools for the Repair of Rifles, short, M.L.E.

Description.		Quantity allowed.	Remarks.	
Weedon Section—continued.				
Drifts	magazine catch-pin, M.L.M.	1		
	pin, fixing, stud, head, catch, slide, sight, back, R.S. M.L.E. ...	1		
	pin, fixing, washer, pin, axis, sight, back, R.S. M.L.E. ...	1		
	sight axis pin, M.L.M. ...	1		
	wire, small ...	1		
Floats, fore-end, { No. 1 ...		1		
M.L.M. ... { No. 2 ...		1		
Gauges, armourers	distance of bolt from end of chamber, {	.064 in. ...	1	
	M.L.M. ... {	.074 in. ...	1	
	pistol, Webley {	hammer projection and radius of point ...	1	
		distance of cylinder from face of body, .052-in., rejecting ...	1	
	projection of stock-bolt through body, R.S. M.L.E. ...	1		
striker, point, pattern "C" ...	1			
Guides, muzzle, No. 2... ...		1	Remove the nose cap before attaching the muzzle guide.	
Implements, action, M.L.E. rifle short		1		
Mallets {	raw hide ...	1		
	scabbard, sword, cavalry (a)	1		
Mandrels	scabbard, sword, cavalry (a)	1		
	{ blocking { Mark I ...	1		
		leather { Mark II ...	1	Pattern 1888, Mark II*, and Pattern 1903, Mark I. Also required when fitting pattern 1907, Mark II chape to pattern 1903 scabbard.
	scabbard, sword- bayonet, pattern 1888 {	chape ...	1	Pattern 1888, Marks I and II*; Pattern 1903, and pattern 1907.
	1888 {	locket ...	1	Pattern 1907, Marks I and II.
		blocking leather ...	1	
scabbard, sword- bayonet, pattern 1907 {	chape, Mark II ...	1	Also for fitting Mark II, chape to Mark I scabbard.	

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(a) Armourers of mounted corps only. Pattern of mandril to follow pattern of scabbard in possession.

TABLE 1—*continued.* Tools for the Repair of Rifles, short, M.L.E.

Description.	Quantity allowed.	Remarks.
<i>Weedon Section—continued.</i>		
Pincers, armourers pairs	1	
Planes, smoothing, armourers ...	1	
Plates, screw { 20 taps, 20 holes sets	1	
{ 6 taps, 6 holes "	1	
Plugs, { plain, '303-inch arms ...	1	
clearing { split, M.L.M. rifle... ..	1	
Pots, glue, $\frac{1}{2}$ -pint	1	
Rods, cleaning, cylinder, pistol, Webley	1	For use with brass wire.
{ No. 1	1	For jute.
{ No. 2 (a)	1	For use with brass wire.
Rods, cleaning, { '303-inch		Can be used for M.L.E. short rifles, only when fitted with "Bush, stop rod, No. 2."
{ No. 4	1	For use with brass wire.
Saws, slitting, $7\frac{1}{8}$ -inch	1	
{ armourers { large	2	
{ small	1	
{ extractor, axis, M.L.M.	1	
{ fork dial sight, M.L.M.	1	
Screw-drivers { forked, nut, screw, grip, sword bayonet, pattern 1888, Mark III	1	And patterns 1903 and 1907.
{ nut, bolt, sword-bayonet, pattern 1903	1	And pattern 1907.
Scribers, tool, sight line R.S.M.L.E....	1	
Sticks, buff	3	
Sticks, cleaning chamber, '303-inch arms	1	
Gauze, wire pieces	1	
Stones, oil { armourers	1	
{ slips, Arkansas, large	1	
Testers, trigger pull	1	
Tools, adjusting, foresight, R.S. M.L.E. :—		
Cramps	1	
Punches	1	

(a) Not required when rod cleaning No. 4 is in possession.

TABLE 1—continued. Tools for the Repair of Rifles, short, M.L.E.

	Description.	Quantity allowed.	Remarks.	
<i>Weedon Section—continued.</i>				
Tools	clearing, { bits { screw 1	1	When stock of "Pressers, extractor, spring" is used up.	
	303-in. { bits { spoon 1	1		
	arms { bushes, bit, screw 1	1		
	extractor { rods, No. 2 1	1		
	spring 1	1		
	for alteration of cocking pieces, R.S.M.L.E.—			Not required for Mark III or converted Mark IV rifles. For rifles, short, M.L.E., Mark III and converted Mark IV.
	Broaches 2	2		
	Taps 3	3		
	Tools, recessing 1	1		
	handguard, No. 1 1	1		
	removing	plate, keeper, screw, wind gauge, R.S. M.L.E. 1	1	Mark I and I* and con- verted Mark II and II*.
		striker, R.S. M.L.E. 1	1	
		wad, stock bolt 1	1	
		sight line, R.S. M.L.E. { No. 1 1	1	
		{ No. 2 1	1	Mark III and converted Mark IV.
	Vice, parallel, regimental armourers		1	For Mark II box only.
<i>Section No. 7.</i>				
Awls, handles, brad, small 2		2	When stock of bastard files is used up.	
Chisels, firmer	$\frac{3}{4}$ -inch 1	1		
	$\frac{1}{2}$ " 1	1		
	$\frac{1}{4}$ " 1	1		
Files, bastard	flat, 6-inch 2	2		
	half-round, 6-inch 2	2		
	round, 8-inch 1	1		
	square, 8 " 1	1		
Files, fine-cut, flat, tanged { 10-inch 2		2		When stock of bastard files is used up.
{ 8 " 2		2		
Files, regular cut, half- { 10 " 2		2		
round { 8 " 1		1		

TABLE 1—continued. Tools for the Repair of Rifles, short, M.L.E.

Description.		Quantity allowed.	Remarks.				
Section No. 7—continued.							
57 Gen. No. 1304	Files , saw, taper, second cut, single	$\left\{ \begin{array}{l} 6\text{-inch} \\ 3 \text{ " } \end{array} \right.$	$\left\{ \begin{array}{l} 2 \\ 2 \end{array} \right.$	} When regular cut files are in possession.			
	Files , second cut	$\left\{ \begin{array}{l} \text{half round, 4-inch} \dots \\ \text{round, 4-inch} \dots \\ \text{flat, 6-inch} \dots \end{array} \right.$	$\left\{ \begin{array}{l} 2 \\ 2 \\ 1 \end{array} \right.$				
	Files , smooth	$\left\{ \begin{array}{l} \text{half-round} \left\{ \begin{array}{l} 8\text{-inch} \\ 6 \text{ " } \\ 4 \text{ " } \end{array} \right. \\ \text{hand, safe-edge} \left\{ \begin{array}{l} 8 \text{ " } \\ 4 \text{ " } \end{array} \right. \\ \text{pillar} \left\{ \begin{array}{l} 6\text{-inch} \dots \\ 3 \text{ " } \dots \end{array} \right. \\ \text{round, 4-inch} \dots \\ \text{three-square, 4-inch} \dots \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 2 \\ 1 \\ 2 \\ 1 \\ 1 \end{array} \right.$				
			Files , dead smooth, half round, 6-inch		1		
			Gimlets , twist, Nos. 2, 3, and 5		3		
			Gauges , handled, firmer		$\left\{ \begin{array}{l} \frac{3}{4}\text{-inch} \dots \\ \frac{1}{2} \text{ " } \dots \\ \frac{1}{4} \text{ " } \dots \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 1 \\ 1 \end{array} \right.$	
					Hammers , riveting	$\left\{ \begin{array}{l} 24\text{-oz.} \dots \\ 4 \text{ " } \dots \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 1 \end{array} \right.$
						Handles , file	$\left\{ \begin{array}{l} \text{large} \dots \\ \text{small} \dots \end{array} \right.$	$\left\{ \begin{array}{l} 6 \\ 6 \end{array} \right.$
	Holders , file, with handle, half-round	$\left\{ \begin{array}{l} 10\text{-inch} \\ 8 \text{ " } \end{array} \right.$	$\left\{ \begin{array}{l} 1 \\ 1 \end{array} \right.$				
		Irons , soldering, tinmans, small	1				
	Pliers , flat nose	... pairs	1				
	Rasps , second cut, half-round, 9-inch	1					
	Saws , hand, 23½-inch	1					
	Stocks , drill, hand, Mark II	1	When stock of tools, bow, drilling is exhausted.				
	Vices , hand, 16-oz.	1					
	Section No. 27.						
	A.O. 47 1912	Cartridges , small-arm, dummy, .303-inch, inspectors	20		Mark IV for units in possession of rifles altered to suit Mark VII ammunition; Mark III for other units.		

TABLE 3.—Tools for Circuit Armourers.

The following additional tools will be supplied to armourers when they become circuit armourers :—

Description.		Quantity allowed.	Remarks.
<i>Weedon Section.</i>			
A.O. 230 1910	Boxes , components, empty, circuit armourers	1	
	Gauges , armourers—		
	Plugs, { 303-inch	1(a)	
	{ 307 "	1(a)	
	{ 308 "	1(a)	
	{ 310 "	1(a)	
	{ lead, No. 2	1(a)	
	Rods, plug	1(a)	
	Mallets , scabbard, sword, cavalry	1	
	Mandrills , scabbard, sword—		
A.O. 113 1910	Cavalry { Mark I	1	
	patt. '85 { Mark II	1	
	Cavalry, patt. '08	1	
	Staff { patt. '89	1	
	serjeants { patt. '97 and '98	1	
	Stamps , { $\frac{5}{16}$ -in. figures, 0 to 8	sets 1	
	steel, for { $\frac{5}{16}$ -in. letters	1	
	metal { dash lines, $\frac{1}{2}$ -in.	1	

(a) To be obtained from A.O.D. when required by circuit, district and departmental armourers at home and abroad. At stations abroad these gauges may also be issued on loan to regimental armourers when the services of a departmental armourer are not available.

TABLE 4.—Reference Gauges, &c., to be kept at Ordnance Depôts.

These gauges are not on any account to be used for working purposes. They are to be employed solely for the periodical verification of the working gauges in the possession of armourers.

Description.				No.
Gauges, armourers	{	distance of bolt from end of chamber M.L.M. {	·064-inch...	1
			·074-inch...	1
			·303-inch ...	1
			·307 " ...	1
			·308 " ...	1
			·310 " ...	1
			lead, No. 2 ...	1
Testers, trigger pull			... ..	1

A.O. 230
1910

The above gauges will be kept at the Army Ordnance Depôts at stations shown in the first column of the following table :—

Stations where reference gauges, &c., are kept.	Stations from which gauges will be forwarded for testing.
Home— Aldershot. Burscough. Colchester. Devonport. Dover Dublin (Island Bridge) Enfield Lock (Chief Inspector of Small Arms) Portsmouth Stirling. Tidworth. York.	Chatham area. Haulbowline area. Curragh area. London District. Woolwich-area. Channel Isles.
Abroad— Bermuda (a). Bloemfontein (a) (b) Gibraltar (a). Hong Kong (a) Jamaica (a). Malta (a) Sierra Leone (a).	Cape Town. Pretoria. Mauritius. Ceylon. Singapore. Cairo.

A.O. 47
1912

- (a) A Box test for sword bayonets, patt. '07, is held (*see* para. 472).
(b) A Box test for cavalry swords is held (*see* para. 472).

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TABLE 5.—Tools for Repair of Bicycles.

Referred to in paragraph 500B.

57

Gen. No.

1660

Description.	No.	Remarks.	
<i>Weedon Section.</i>			
Braces, armourers—			
Bits, screwdriver, butt-plate screw (a)	1		
<i>Section No. 7:</i>			
Brushes, hair, flat { 1-inch ...	2	} Peace only.	
{ ½ „ ...	2		
<i>Section No. 21B.</i>			
Brushes, bicycle	1		
Clamps, bicycle	1		
Erectors	1(b)		
Gauges, bicycle	1(b)		
Hammers, bicycle	1		
Injectors	1		
Punches, bicycle	1		
Scissors, bicycle ... pairs	1		
Spanners, { box, { hexagon ...	1		
	{ square ...	1	
	nipple	1	
	bicycle, { thick	1	
	{ thin	1	
{ valve	1		
Stands, wheel erecting	1(b)		
Straighteners	1(b)		

(a) For removing pedal pins. Before use $\frac{1}{4}$ -inch should be ground off the screwdriver end to give it a stouter edge.

(b) Armament artificers of horse and field artillery brigades only.

TABLE 5A.—Tools for repair of Bicycles to be obtained from A.O.D. on loan when required.

Referred to in paragraph 500c.

57
Gen. No.
1660

Description,							No.
<i>Section No. 7.</i>							
Files	{	bastard, hand, safe-edge, 6-inch	...	...	...	1	
		second cut, half-round, 4-inch	...	...	...	1	
		smooth, round, 4-inch...	...	...	...	1	
Handles,	file, small	...	...	...	...	3	
<i>Section No. 12.</i>							
Pots,	cooking oval, 2-gallons	...	...	...	...	2	
<i>Section No. 21B.</i>							
Dies,	spoke	...	...	...	...	1	
Holders	...	...	...	...	...	1	
Moulds	...	...	...	...	...	1	
Stocks and dies,	bicycle...	...	...	...	...	1	
Straightedges,	bicycle...	...	...	...	...	1	

APPENDIX V.

Referred to in paragraph 385.

SETS OF TOOLS.

Description.	Page.
Bags, tool, farriers, filled	134
... Nos. 3A, 3B, and 3C...	127
... " 5A ...	131
... " 6A ...	133
... " 11A, 11B, 11C...	135
... " 12D ...	140
Chests, tools, filled { bricklayers and masons ...	125
carpenters, and carpenters and wheelers...	127
coopers ...	133
farriers and shoeing smiths ...	134
painters and glaziers ...	140
plumbers ...	139
smiths ...	135
Chests, stocks and dies, Whitworth thread ...	142
Holdalls, tools, saddlers ...	131
Panniers, tool, filled, saddlers ...	181
... B.A. thread, G.S. ...	144
... { "A" ...	145
... { "B" ...	146
... { "C" ...	147
... { "D" ...	148
Tools, screw cutting { bolt and nut { "A" ...	149
Mark II { "B" ...	150
Mark III { "C" ...	151
{ "D" ...	152
brass and copper tube ...	153
iron and steel tube ...	154

BRICKLAYERS AND MASONS.

Description.	No. per chest.
<i>Section No. 7.</i>	
Chests, tool, empty, No. 1 (or No. 2).....	1 (<i>a</i>)
Bars, setting	1
Revels, wood blade, 12-inch (or 15-inch).....	1
Bolsters, bricklayers	1
Chisels, brick, 12-inch (or hand, cold, 1-inch x 12-inch)	1
Compasses, wing, 7-inch	1 pairs
Hammers, masons, { chisel point, 5-lb.	1
{ mash	1
Levels, spirit, rule (or F.S., 2-feet 6-inch (<i>b</i>))	1
Lines, bricklayers	1
Pins, line	1
Points, masons	2
Rules { G.S. 4-fold (or carpenters, common).....	1
{ masons, plumb, 2 ft. 6 in. (or 3 ft. 5 in. (<i>b</i>))	1
Squares, smiths, 2-feet x 6 inches (or 2 feet x 1-foot (<i>b</i>))	1
Trowels { bricklayers, pointing { cross joint	1
{ tuck	1
{ bricklayers, 12-inch	1
{ masons	1
{ plasterers, set	1

(b) For No. 1 chest.

Bricklayers and Masons Chests—*continued.*

Description.	No. per chest.
<i>Section No. 11.</i>	
Brushes, { bristle, 6½-inch 1	1
whitewash { hair, 6-oz. 1	1
NOTE.—The undermentioned articles are not carried in the chests, and if required will be separately demanded, charged, and accounted for.	
<i>Section No. 2B.</i>	
Axes, pick { heads, 4½-lb. 1	1
{ helves, 36 inches, ferruled 1	1
Shovels, G.S. 1	1
<i>Section No. 7.</i>	
Hods, mortar 2	2
Levels, wood { 10-feet 1	1
{ 5 „ 2	2
Sieves, masons 1	1
Squares, masons 2	2

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED.

No. 3A (Carpenters, G.S.).
 No. 3B (Carpenters, Regimental).
 No. 3C (Carpenters and Wheelers, G.S.).
 CARPENTERS AND WHEELERS. (a)
 CARPENTERS.

Description.						No. per Chest, tool, filled.				
						No. 3A.	No. 3B.	No. 3C.	Carpenters and wheelers.	Carpenters.
<i>Section No. 7.</i>										
Chests, tool, empty {						No. 3	..	..	..	..
,, 4						..	..	..	..	..
						1	2	1	1	—
						—	—	—	—	1
Adzes, carpenters ...						1	2	1	1	1
Aprons, canvas, white						—	—	—	2	2
Augers {						1	1	1	1	1
						1	—	1	—	—
						1	—	—	1	—
						1	—	1	1	1
						1	1	1	1	—
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
						1	1	1	1	1
Screw, {						1	—	1	1	1
29 inches long						1	—	1	1	1
Handles {						1	1	1	1	1
12						1	1	1	1	1
Blades, brad						12	12	12	12	3
Handles, brad {						2	2	2	2	1
large						2	2	2	2	2
small						2	2	2	2	2
Axes {						1	2	1	1	—
carpenters, 6½-lb. (b), or						1	2	1	1	—
hand, 3-lb., or						1	2	1	1	—
wheelers, 7-lb.						1	2	1	1	—
Bags, tool, carpenters, or						1	2	1	1	1
Baskets, tool, web-handled						1	2	1	1	1
Bevels, steel blade {						1	2	1	1	—
12-inch, or						1	2	1	1	—
slotted, 10½-inch						1	2	1	1	—

(a) A number of these chests, converted from No. 6D chests, have slight differences in contents. 57/Gen. No./1269, dated 30.8.1911.

(b) Will be replaced by Axes, hand, when unserviceable.

Carpenters, and Carpenters and Wheelers Chests—continued.

Description.		No. per Chest, tool, filled.				
		No. 3A.	No. 3B.	No. 3C.	Carpenters and wheelers.	Carpenters.
Section No. 7—continued.						
Braces, carpenters	{ with 24 bits (a), or ratchet, with 24 bits (a) ... }	1	2	1	1	1
Callipers, 5-inch	... pairs	—	—	—	1	—
Cans, oil, lubricating	{ G.S. ... small ... }	—	—	—	1	1
Chisels	cross cut, 7-inch $\times$ $\frac{1}{4}$ -inch	—	—	—	2	—
	1 $\frac{1}{4}$ -inch	1	2	1	1	1
	1 $\frac{1}{2}$ " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
Firmers, coachmakers (b)	1 $\frac{1}{4}$ -inch	1	2	1	1	—
	1 " "	1	2	1	1	—
	1 " "	1	2	1	1	—
hand, cold	{ 1-inch $\times$ 8 $\frac{1}{2}$ -inch ... " " $\times$ 8 " ... }	1	—	1	—	—
	1 " " $\times$ 8 " ...	1	3	1	2	1
	mortice, $\frac{1}{4}$ -inch	1	2	1	—	—
Compasses, wing	10-inch ... pairs	1	—	1	—	—
Drifts, steel, round	7 " " " " "	—	2	—	1	1
	7 " " " " "	—	—	—	1	—
	7 " " " " "	—	—	—	1	—
	7 " " " " "	—	—	—	1	—
	7 " " " " "	—	—	—	1	—
	7 " " " " "	—	—	—	1	—
Files	bastard, round { 14-inch ... 10 " " ... 6 " " ... }	1	2	1	—	—
	regular { flat, { 14-inch (c) ... tanged, { 12 " (c) ... cut { half round, 14-inch (c) ... }	1	1	1	1	—
	saw, taper, second cut, 6-inch (or 5 $\frac{1}{2}$ -inch) ...	4	4	4	4	3
	single 4 " " " " "	4	4	4	4	3
	4 " " " " "	—	—	—	—	—
	4 " " " " "	—	—	—	—	—

(a) Detail of set of bits:—

Braces, carpenters, bits—

Centre—1 $\frac{1}{8}$, 1, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ -inch ... 7

Countersink—flat and rose ... 2

Dowelling sash ... 1

Gouge— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{1}{2}$ -inch ... 6Nose— $\frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{1}{2}$ -inch ... 5

Rimer, square ... 1

Screwdriver ... 1

Taper ... 1

(b) Firmer chisels in possession will not be replaced by firmer, coachmakers, until worn out.

(c) When stock of bastard files is exhausted.

Carpenters, and Carpenters and Wheelers Chests—*continued.*

Description.		No. per Chest, tool, filled.				
		No. 3A.	No. 3B.	No. 3C.	Carpenters and wheelers.	Carpenters.
<i>Section No. 7—continued.</i>						
Gauges, carpenters	{ marking	1	2	1	1	—
	{ mortice	1	2	1	1	—
	{ No. 1	1	1	1	1	1
Gimlets, common (or twist)	{ „ 3	1	1	1	1	1
	{ „ 5	1	1	1	1	1
	{ 1-inch	—	2	—	1	—
	{ „	—	2	—	1	—
Gauges, handled	{ firmer	1	—	1	—	—
	{ „	1	2	1	1	—
	{ „	1	1	1	—	—
	{ pecking, 1-inch	1	2	1	—	—
	{ carpenters	—	—	—	1	1
	{ claw (a) { 28-oz.	—	2	—	—	—
	{ „ { 20 „	—	1	—	—	—
	{ fitters { 32-oz.	—	—	—	1	—
	{ „ { 16 „	—	—	—	1	—
Hammers	{ „ { 8 „	—	—	—	1	—
	{ „ { 24-oz.	1	—	1	—	1
	{ riveting { 16 „	—	—	1	—	—
	{ „ { 8 „	—	2	—	—	—
	{ saddleseat	—	—	1	—	—
	{ handles, No. 6	—	—	—	1	—
Handles, file	{ large	1	1	1	1	—
	{ middling	2	2	2	2	1
	{ small	2	2	2	1	2
Holders, file, with handle, half-round, 14-inch (b)		1	1	1	1	—
Knives, drawing, carpenters		—	—	1	1	1
Lines, carpenters		1	2	1	1	1
Mallets, carpenters		1	2	1	1	1
Oilstones	{ carpenters	1	2	1	1	1
	{ slips, Turkey	—	—	—	1	—
Pencils, carpenters		6	9	6	6	6
Pincers, carpenters		1	2	1	1	1
	{ jack, double iron	1	2	1	1	1
Planes	{ plough	1	1	1	1	—
	{ rabbet, skew	1	—	1	1	—
	{ smoothing, G.S.	1	2	1	1	—
Pliers, side cutting	{ 8-inch	—	—	—	1	—
	{ 8 „ cutters	—	—	—	2	—
	{ 7 „	—	1	—	—	—
Pots, glue	{ 1-pint	—	—	1	1	—
	{ 1-quart	1	1	—	—	—
Punches	{ carpenters, small	1	2	1	1	1
	{ centre, 4½-inch	—	—	—	1	—
Rasps, rough, half-round, 12-inch		1	1	1	1	—

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(a) Will be replaced by carpenters' hammers when stock is exhausted.

(b) When regular cut files are issued.

Carpenters, and Carpenters and Wheelers Chests—*continued.*

Description.	No. per chest, tool, filled.				
	No. 3A.	No. 3B.	No. 3C.	Carpenters and Wheelers.	Carpenters.
<i>Section No. 7—continued.</i>					
Reels, carpenters line	1	2	1	1	1
Rules, carpenters, common (or G.S., 4-fold) ...	1	2	1	1	2
compass	1	—	1	1	—
dovetail, brass back	—	2	1	1	—
Saws { hand, 26-inch	1	2	1	1	1
tenon { 19-inch	1	—	1	—	—
14 "	—	2	—	1	1
Screwdrivers, G.S. { 14-inch	1	2	1	1	—
12 "	—	—	—	—	1
6 "	1	2	1	1	—
Scribers	—	—	—	1	—
Sets, saw, hand	1	2	1	1	1
Spanners, adjustable, 15-inch (or McMahon, 15-inch)	1	2	1	1	1
Spokeshaves, 3½-inch	1	2	1	1	1
Squares, carpenters, 9-inch	1	2	1	1	1
Stones, rag	1	—	1	—	—
Tongs, wheeler fitters	—	—	—	1	—
Vices, bench, saddletreemakers	—	—	1	—	—
<i>Section No. 9A.</i>					
Chalk, white lbs.	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
<i>Section No. 10A.</i>					
Padlocks, iron, 2-inch	—	—	—	—	1
<i>Section No. 11.</i>					
Brushes, paint, sash tool, No. 6	1	2	1	1	—
<i>Section No. 13C.</i>					
Cloths, sponge	—	—	—	4	—
<i>Stationery Office Supplies.</i>					
Handbooks, military artificers	—	—	—	1	—

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED,
NO. 5A (SADDLERS), PANNIERS, TOOL, FILLED,
SADDLERS, AND HOLDALL, TOOL, SADDLERS.

Description.		No. per			
		Chest or Pannier.	Holdall, Saddlers.		
<i>Section No. 7.</i>					
Chests , tool, empty, No. 5		1	—		
<i>or</i>					
Panniers , tool, saddlers, empty		1	—		
Holdalls , tool, saddlers		—	1		
Aprons , canvas, white		1	—		
Awls	{ blades	buckling { 5-inch	3	—	
		{ 4 "	3	—	
		drawing	2	2	
		garnishing { 2½-inch	2	2	
		{ 2 "	2	2	
		harness { 3-inch	3	1	
			2½ "	4	2
			2½ "	4	2
			2½ "	4	2
			2 "	3	2
		panel { 7 "	2	2	
			5 "	2	—
			handles { drawing	4	1
		harness		4	3
panel	4	1			
Bones , hollow		1	—		
Chisels , hand, cold, ¾ inch × 8 inches		1	—		
Clams , saddlers pairs		1	1		
Claws , nail		1	1		
Compasses , wing, 7-inch pairs		1	1		
Creases	{ double	1	—		
	{ single	1	—		
Gimlets , twist (or common), No. 6		1	—		
Hammers	{ riveting, 8-oz.	1	1		
	{ saddlers	1	—		
Holdalls , tool, saddlers		1	—		
Irons	{ collar, plugging	1	—		
	{ pricking { 12-stitch	1	—		
		7 "	1	—	
		5 "	1	—	

Saddlers Chests, Panniers and Holdalls—*continued.*

Description.		No. per	
		Chest or Pannier.	Holdall, Saddlers.
<i>Section No. 7—continued.</i>			
Knives	{ gauge-plough	1	—
	{ half-round	1	1
	{ head	1	—
	{ trimming	1	1
Lead, punching, saddlers, 4-lb. ... piece		1	—
Mallets	{ collar	1	—
	{ tinmans	1	—
Marline spikes, steel, 9-inch		1	1
Needles	{ collar, half-moon { $6\frac{1}{2}$ -inch	1	1
	{ $5\frac{1}{2}$ -inch	1	1
	{ $4\frac{1}{2}$ -inch	1	1
	{ darning, 4-inch	6	—
	{ harness	75	25
	{ saddlers { sewing	50	25
	{ stitching	25	—
Palms, saddlers		1	1
Pincers, saddlers pairs		1	—
Pliers, flat nose "		1	1
Punches	{ No. 31	1	—
	{ " 28	1	—
	{ " 24	1	—
	{ oval { " 23	2	—
	{ " 22	2	—
	{ " 21	2	—
	{ " 20	2	—
	{ spring, 11-inch	1	1
Rasps, shoemakers, 10-inch		1	—
Rules, G.S., 4-fold		1	1
Scissors, tailors pairs		1	1
Screwdrivers, G.S., 6-inch		1	—
Shaves, saddlers		1	1
Sticks, stuffing		1	—
Thimbles, tailors		2	1
Tools, edge	{ No. 2	1	—
	{ No. 3	1	—
<i>Section No. 10A.</i>			
Padlocks, brass, 1$\frac{1}{4}$-inch		1(a)	—
<i>Section No. 12.</i>			
Stones, rub, scythe		1	1

(a) Pannier only.

DETAILS OF CONTENT OF CHESTS, TOOL, FILLED.

No. 6A (Coopers, G.S.)

COOPERS.

Description.	No. per chest, tool, filled.	
	No. 6A.	Coopers.
<i>Section No. 7.</i>		
Chests, tool, empty, No. 6	1	1
Adzes, coopers { notching	1	1
{ rounding	1	1
{ trussing	—	1
Aprons, canvas, white	—	2
Axes, coopers	1	1
Borers, bung	1	1
Braces, { bits { brewer's gimlet, tanged	—	1
carpen- { centre, 1-inch	—	1
ters { ratchet, without bits	—	1
Chisels, hand, cold, 1 inch × 8½ inches ...	1	1
Chives, coopers, 7¼-inch (or Mark II) ...	1	1
Compasses, wing, 12-inch ... pairs	1	1
Drivers, coopers, socket, iron	1	1
Files, saw, taper, second cut, single, 6-inch (or 5½-inch)	2	2
Hammers { coopers, hand, 3½-lb.	1	1
{ riveting, 8-oz.	1	1
Handles, file, small	1	1
Irons { bick, upon wood	1	1
{ chintzing	—	1
{ flagging	—	1
Jiggers, coopers	1	1
Jointers, F.S.	1	1
Knives { crumming	1	—
{ drawing, coopers	1	1
{ hollowing	—	1
Oilstones, carpenters	1	1
Pincers, carpenters pairs	1	1
Planes, topping, coopers	—	1
Punches, coopers, small	1	1
Rules, coopers (or G.S., 4-fold)	1	1
Saws, hand, 26-inch	1	1
Shaves, coopers { inside cask	1	1
{ outside cask	1	1
{ round	1	1
Stocks { coopers	1	—
{ croze { barrel	1	1
{ pail	1	1
Stones, rag	—	1
Vices, screw, iron	1	1

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DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED.

FARRIERS AND SHOEING SMITHS
and

DETAIL OF CONTENTS OF BAGS, TOOL, FARRIERS.

Description.	No. per	
	Chest, tool, filled. Farriers and Shoeing Smiths.	Bag, tool, farriers, filled.
<i>Section No. 7.</i>		
Chests , tool, empty, No. 7	1	—
Bags , tool, farriers	—	1
FORGE TOOLS.		
Chisels , farriers, handled	1	—
Cutters , anvil, half-round, farriers, small shank	2	—
Hammers , farriers { sledge, 9½-lb.	1	—
	1	—
turning	1	—
Pokers , smiths	1	—
Pritchels , farriers	3	1
Slices , farriers	1	—
Stamps , farriers	2	—
Tongs , farriers { fire pairs	1	—
	1	—
	1	—
	1	—
SHOEING TOOLS.		
Aprons , basil, brown	1	1
Bags , tool, farriers	1	—
Buffers , farriers	1	1
Hammers , farriers, shoeing	1	1
Knives { drawing, farriers	2	2
	1	1
searching, farriers	1	1
Pincers , farriers pairs	1	1
Rasps , farriers, 16-inch (or 14-inch) ...	2 (a)	2
Stones , rag, farriers	1	1

(a) Renewable quarterly.

DETAIL OF CONTENTS OF CHESTS, TOOL, FILLED—

No. 11A (Smiths, G.S.).

No. 11D (Smiths, Regimental).

No. 11E (Carriage-smiths, R.A. Garrison).

SMITHS.

Description.					No. per chest, tool, filled.			
					No. 11A.	No. 11D.	No. 11E.	Smiths.
Section No. 7.								
Chest, tool, empty, No. 11 ...					1	1	1	1
Aprons, basil, brown (or white) ...					—	2	2	4
Bags, tool, farriers ...					—	1	—	—
Braces	ratchet	18-inch	drills	1½-inch	—	—	1	—
				1½ " "	—	—	1	—
				1¼ " "	—	—	1	—
				1¼ " "	—	—	1	—
				1½ " "	—	—	1	—
				1 " "	—	—	1	—
				7/8 " "	—	—	1	—
				¾ " "	—	—	1	—
				¾ " "	—	—	1	—
				¾ " "	—	—	1	—
				¾ " "	—	—	1	—
				9-inch	—	—	—	1
				12 " drills	—	—	—	1
				posts, 16-inch, Mark II	—	—	—	1
	smiths	—	1	1	1			
	smiths,	{	countersink, rose	—	1	1	1	
	bits			rimer { half round	—	1	1	1
			square	—	1	1	1	
Callipers { 10-inch ... pairs					1	1	1	1
5 " "					—	—	—	1
Cans, oil, lubricating, G.S. ...					—	—	—	1
Chisels	{	cross cut, 7-inch × ¼-inch	—	—	—	1		
			engraving	—	—	—	1	
			farriers, handled...	—	1	—	—	
		hand, cold { 1-inch × 8½-inch	1	—	1	1		
			¾ " " × 8 " "	1	—	1	1	
			rivet head	—	—	1	1	
smiths { cold	1	1	1	1				
	hot	1	—	1	1			

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Smiths Chests—continued.

Description.	No. per chest, tool, filled.			
	No. 11A.	No. 11B.	No. 11C.	Smiths.
<i>Section No. 7—continued.</i>				
Compasses , wing, 10-inch ... pairs	1	1	1	1
Cutters , anvil, { 2-inch	—	—	1	—
flat, smiths { with screwed setting	—	—	—	1
{ gage	—	—	—	1
Files , { flat, 6-inch	1	1	1	1
bastard { round { 10-inch	1	1	1	1
{ 8 "	1	1	1	1
Files , { regular cut (a) { flat, tanged,	2	2	2	2
	1	1	1	1
	1	1	1	1
	1	1	1	1
{ half. { 14-inch	1	1	1	1
{ round { 10 " ...	1	1	1	1
{ fine cut, half-round, 8-inch	1	1	1	1
{ second cut, hand, safe-edge, 6-inch	1	1	1	1
Flatters , smiths	—	—	1	1
Fullers , smiths, { bottom	—	—	1	1
small { top	—	—	1	1
Hammers { farriers { shoeing	—	1	—	—
	—	1	—	—
	—	—	1	1
	—	—	1	1
	—	—	—	1
	1	—	—	—
	1	1	1	—
	1	—	1	1
Handles , { large	1	1	1	1
	2	2	2	2
file { middling	2	2	2	1
{ small	2	2	2	1
Holders { file, with handle, { 14-inch	1	1	1	1
	1	1	1	1
	1	1	1	1
{ half-round (b) { 10 " ...	—	—	—	1
{ rivet-head, small	—	—	—	1
Knives { drawing, farriers	—	1	—	—
{ searching, "	—	1	—	—
Oilstones , smiths	1	—	1	—
Pincers , farriers pairs	—	1	—	—
Plates , screw, B.A. thread ... sets	1	—	1	1

(a) When stock of bastard files is exhausted.

(b) When regular cut files are issued.

Smiths Chests—continued.

Description.	No. per chest, tool, filled.			
	No. 11A.	No. 11B.	No. 11E.	Smiths.
<i>Section No. 7—continued.</i>				
Pliers { flat-nose ... pairs	—	1	—	—
{ side-cutting { 8-inch ... "	—	—	—	1
{ " cutters ...	—	—	—	2
{ 7-inch ... pairs	—	—	1	—
Pokers, smiths ...	—	1	—	1
Punches { centre, 4½-inch ...	—	—	1	1
{ round { ½-inch × 10-inches ...	—	—	—	1
{ cold ... × 4 "	—	—	—	1
{ smiths { hot { ½-inch ...	1	1	—	—
{ " ...	1	1	1	1
Rasps, farriers, 16-inch (or 14-inch)	—	1	—	—
Rods, smiths, iron ...	—	—	4	4
Rules { armament artificers, 1-foot	—	—	—	1
{ carpenters, common ...	1	—	1	—
{ smiths ...	—	—	—	1
Saws { cutting metal { 10-inch ...	1	1	1	—
{ hack { blades, 10-inch ...	1	—	1	—
{ 12-inch ...	—	—	—	1
{ blades ...	—	—	—	6
Screw-drivers { 14-inch ...	1	1	1	1
general service { 6 " ...	1	1	1	1
Scribers ...	—	—	—	1
Slices, farriers ...	—	1	—	1
Snap { hand-riveting { 7/8-inch ...	—	—	1	1
{ " { 3/4 " ...	—	—	1	1
{ " { 1/2 " ...	—	—	1	1
{ riveting, rod { 3/4 " ...	—	—	1	1
{ 1/2 " ...	—	—	1	1
Spanners { adjustable, 15-inch ...	—	—	—	1
{ McMahon, 15 " ...	1	1	1	—
Squares { box, fitters ...	—	—	—	1
{ fitters, 4-inch ...	—	—	—	1
{ smiths { 2-feet × 1-foot ...	1	—	1	—
{ 18-inch × 9-inch ...	—	—	—	1
Stamps, farriers ...	—	1	—	—
Stones, rag ...	—	—	—	1

Smiths Chests—continued.

Description.		No. per chest, tool, filled.			
		No. 11A.	No. 11D.	No. 11E.	Smiths.
<i>Section No. 7—continued.</i>					
Tongs	{ farriers, turning, small ... pairs	—	1	—	—
	{ forebit ... "	1	—	1	1
	{ smiths { forge { large ... "	1	—	1	—
	{ smiths { forge { small ... "	—	1	—	1
	{ hollow bit ... "	1	—	1	1
Tools, bow drilling	{ plier ... "	1	—	1	1
	{ bows, smiths	1	1	—	—
	{ boxes	2	1	—	—
	{ breast-plates, smiths	1	1	—	—
	{ drills sets	1	1	—	—
	{ stocks	1	1	—	—
Tools, forming	{ strings, smiths ... knots	2	1	—	—
	{	—	—	—	1
Tools, rounding	{ bottom	—	—	—	1
	{ top	—	—	—	1
Travellers	{	—	—	1	1
Vices	{ bench, saddletreemakers	—	—	—	1
	{ hand, 16-oz.	1	1	1	1
<i>Section No. 13C.</i>					
Cloths, sponge	... ..	—	—	4	4
<i>Stationery Office Supplies.</i>					
Handbooks, military artificers	... ..	—	—	1	1

No. 12D (Plumbers, Painters, and Glaziers, Regimental).
PAINTERS AND GLAZIERS.

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Painters and Glaziers Chests—*continued.*

Description.					No. per chest, tool, filled.	
					No. 12D.	Painters and Glaziers.
<i>Section No. 7—continued.</i>						
Pliers	{ flat-nose	...	...	pairs	—	1
	{ gas, 6-inch	...	...	"	1	—
	{ round-nose	...	...	"	1	—
Pots	{ melting, 3-pints	...	...	...	1	—
	{ writing	...	...	...	—	1
Rules, glaziers	{ 2-feet	...	...	...	1	—
	{ T { 2-feet	...	...	...	—	1
	{ T { 2-feet 6-inch	...	...	...	1	—
	{ 2-inch	...	...	pairs	1	—
Tongs, gas fitters	{ 1½ "	...	...	"	1	—
	{ 1 "	...	...	"	1	—
	{ ¾ "	...	...	"	1	—
	{ ½ "	...	...	"	1	—
	{ ¼ "	...	...	"	1	—
<i>Section No. 11.</i>						
Brushes, paint	{ oval	...	...	...	3	4
	{ sash tool { No. 2	...	...	...	1	2
	{ sash tool { " 4	...	...	...	1	—
	{ sash tool { " 6	...	...	...	1	—
	{ sash tool { " 8	...	...	...	—	1
	{ unground, 000	...	...	...	—	2
<i>Section No. 7.</i>						
Lamps, brazing, 1 pint					—	1

NOTE.—The undermentioned does not form part of the chest, and if required will be separately demanded, charged, and accounted for.

DETAIL OF CONTENTS OF CHESTS, STOCKS, AND DIES, WHITWORTH THREAD.

$1\frac{1}{8}$ -INCH TO $\frac{1}{4}$ -INCH. (G.S.)

1 " " $\frac{3}{8}$ " (R.A. AND R.E.)

Description.						No. per chest.	
						$1\frac{1}{8}$ -in. to $\frac{1}{4}$ -in.	1-in. to $\frac{3}{8}$ -in.
<i>Section No. 7.</i>							
Chests, stocks and dies, Whitworth thread							
$1\frac{1}{8}$ -inch to $\frac{1}{4}$ -inch, empty						1	—
1 " " $\frac{3}{8}$ " "						—	1
Dies	$1\frac{1}{8}$ -inch					1	—
	1 " "					1	1
	$\frac{7}{8}$ " "					1	1
	$\frac{3}{4}$ " "					1	1
	$\frac{5}{8}$ " "					1	1
	$\frac{1}{2}$ " "					1	1
	$\frac{7}{16}$ " "					1	1
	$\frac{3}{8}$ " "					1	1
	$\frac{5}{16}$ " "					1	—
	$\frac{1}{4}$ " "					1	—
Spanners		$\frac{7}{8}$ -inch				1	1
		$\frac{3}{4}$ " "				1	1
Stocks		C " "				1	1
		D " "				1	1
Taps	$1\frac{1}{8}$ -inch		Plug			1	—
			1st turn			1	—
			2nd " "			1	—
			Plug			1	1
			1st turn			1	1
			2nd " "			1	1
			Plug			1	1
			1st turn			1	1
			2nd " "			1	1
			Plug			1	1
			1st turn			1	1
			2nd " "			1	1

Chests, Stocks, and Dies, Whitworth Thread—*continued*.

Description.						No. per chest.	
						1½-in. to ¼-in.	1-in. to ⅜-in.
<i>Section No. 7—continued.</i>							
Taps	{ ½-inch	{ Plug	...	...	...	1	1
		{ 1st turn	...	...	...	1	1
		{ 2nd "	...	...	...	1	1
	{ ⅞ "	{ Plug	...	...	...	1	1
		{ 1st turn	...	...	...	1	1
		{ 2nd "	...	...	...	1	1
	{ ⅝ "	{ Plug	...	...	...	1	1
		{ 1st turn	...	...	...	1	1
		{ 2nd "	...	...	...	1	1
	{ ⅜ "	{ Plug	...	...	...	1	—
		{ 1st turn	...	...	...	1	—
		{ 2nd "	...	...	...	1	—
Wrenches	{ D F H I	{ Plug	...	...	...	1	1
		{ 1st turn	...	...	...	1	1
		{ 2nd "	...	...	...	1	1
		{ Plug	...	...	...	1	1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, B.A. THREAD. G.S.

Description.										No.
<i>Section No. 7.</i>										
Tools, screw-cutting, B.A. thread, G.S.—										
Cases	...	...	...	...	...	...	...	...	...	1
Dies	{	No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
		" 8	...	...	...	...	...	...	...	1
Guides	{	" 10	...	...	...	...	...	...	...	1
		No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
Plates, gauge	{	" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
		full thread...	...	...	...	...	...	...	...	1
Screwdrivers...		screwing size	...	...	...	...	...	...	...	1
Stocks	...	...	...	...	...	...	...	...	...	2
Taps	{	No. 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
		" 8	...	...	...	...	...	...	...	1
	{	" 10	...	...	...	...	...	...	...	1
		" 0	...	...	...	...	...	...	...	1
		" 2	...	...	...	...	...	...	...	1
		" 4	...	...	...	...	...	...	...	1
		" 6	...	...	...	...	...	...	...	1
Wrenches	{	" 8	...	...	...	...	...	...	...	1
		" 10	...	...	...	...	...	...	...	1
		large	...	...	...	...	...	...	...	1
		small	...	...	...	...	...	...	...	1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "A."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Tools, screw-cutting, bolt and nut, Mark II—						
Chests "A," empty, $1\frac{1}{2}$ -inch to $1\frac{3}{8}$ -inch						1
Clip pieces						1
Dies, $4\frac{1}{2}$ -inch diameter, "A,"						$1\frac{1}{2}$ -inch threads
						$1\frac{3}{8}$ " "
						$1\frac{1}{4}$ " "
						$1\frac{3}{8}$ " "
Screwdrivers, "A"						1
Screws, die-setting, "A" }						chaser guide
						cheese-headed
						grub
Stocks, "A"						1
Taps	$1\frac{1}{2}$ -inch	taper	1			
		second	1			
		plug	1			
	$1\frac{3}{8}$ "	taper	1			
		second	1			
		plug	1			
	$1\frac{1}{4}$ "	taper	1			
		second	1			
		plug	1			
	$1\frac{3}{8}$ "	taper	1			
		second	1			
plug		1				
Wrenches, "A"						1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "B."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Tools, screw-cutting, bolt and nut, Mark II—						
Chests, "B," empty, 1-inch to $\frac{7}{8}$ -inch ...						1
Dies, $3\frac{1}{4}$ -inch diameter, "B" $\left\{ \begin{array}{l} 1\text{-inch threads} \\ \frac{7}{8} \text{ " " } \\ \frac{3}{4} \text{ " " } \\ \frac{1}{2} \text{ " " } \end{array} \right.$...						1
Screwdrivers, "B" ...						1
Screws, die-setting, "B" $\left\{ \begin{array}{l} \text{chaser guide} \\ \text{cheese-headed} \\ \text{grub} \end{array} \right.$...						16(a)
Stocks, "B" ...						8(a)
Taps $\left\{ \begin{array}{l} 1\text{-inch} \\ \frac{7}{8} \text{ " } \\ \frac{3}{4} \text{ " } \\ \frac{1}{2} \text{ " } \\ \frac{1}{4} \text{ " } \end{array} \right. \left\{ \begin{array}{l} \text{taper} \\ \text{second} \\ \text{plug} \\ \text{taper} \\ \text{second} \\ \text{plug} \\ \text{taper} \\ \text{second} \\ \text{plug} \end{array} \right.$...						8(a)
Wrenches, "B" ...						1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "C."

Whitworth Standard Thread.

Description.										No.
Section No. 7.										
Tools, screw-cutting, bolt and nut, Mark II—										
Chests, "C," empty, $\frac{1}{8}$ -inch to $\frac{5}{16}$ -inch ...										1
Dies, $2\frac{5}{8}$ -inch diameter, "C" $\left\{ \begin{array}{l} \frac{1}{8}\text{-inch threads} \\ \frac{7}{16} \text{ " } \\ \frac{3}{8} \text{ " } \\ \frac{5}{16} \text{ " } \end{array} \right.$...										1
										1
										1
										1
Screwdrivers, "C" ...										1
Screws, die-setting, "C" $\left\{ \begin{array}{l} \text{chaser guide} \\ \text{cheese-headed} \\ \text{grub} \end{array} \right.$...										16(a)
										8(a)
										8(a)
Stocks, "C" ...										1
Taps	$\frac{1}{8}$ -inch	taper	...	...	...	...	...	...	1	
		second	...	...	...	...	...	...	1	
		plug	...	...	...	...	...	...	1	
	$\frac{7}{16}$ "	taper	...	...	...	...	...	...	1	
		second	...	...	...	...	...	...	1	
		plug	...	...	...	...	...	...	1	
	$\frac{3}{8}$ "	taper	...	...	...	...	...	...	1	
		second	...	...	...	...	...	...	1	
		plug	...	...	...	...	...	...	1	
	$\frac{5}{16}$ "	taper	...	...	...	...	...	...	1	
		second	...	...	...	...	...	...	1	
		plug	...	...	...	...	...	...	1	
Wrenches, "C" ...										1

(a) Spare.

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT AND NUT, MARK II, "D."

Whitworth Standard Thread.

Description.						No.
<i>Section No. 7.</i>						
Tools, screw-cutting, bolt and nut, Mark II—						
Chests, "D," empty, $\frac{1}{4}$ -inch to $\frac{1}{2}$ -inch						1
Dies, $1\frac{1}{2}$ -inch diameter, "D" { $\frac{1}{4}$ -inch threads						1
{ $\frac{3}{16}$ " "						1
{ $\frac{1}{8}$ " "						1
Screwdrivers, "D"						1
Screws, die-setting, "D" { chaser guide						12(a)
{ cheese-headed						6(a)
{ grub						6(a)
Stocks, "D"						1
{ $\frac{1}{4}$ -inch { taper						1
{ second						1
{ plug						1
{ $\frac{3}{16}$ " { taper						1
{ second						1
{ plug						1
{ $\frac{1}{8}$ " { taper						1
{ second						1
{ plug						1
Wrenches, "D"						1

(a) Spare.

DETAIL OF SET OF TOOLS; SCREW-CUTTING,
BOLT AND NUT, MARK III, "A."

British Standard Whitworth Screw Thread.

Description.		No.
<i>Section No. 7.</i>		
Tools, screw-cutting, bolt and nut, Mark III—		
Chests, "A," $1\frac{1}{2}$ -inch to $1\frac{3}{8}$ -inch, empty ...	...	1
Clip pieces ...	...	1
Dies { $1\frac{1}{2}$ -inch ...	...	1
{ $1\frac{3}{8}$ " ...	...	1
{ $1\frac{1}{4}$ " ...	...	1
{ $1\frac{1}{8}$ " ...	...	1
Spanners, "A" ...	...	1
Stocks, "A" ...	...	1
Taps {	$1\frac{1}{2}$ -inch { taper	1
	{ second	1
	{ plug	1
	{ taper	1
	$1\frac{3}{8}$ " { second	1
	{ plug	1
	{ taper	1
	$1\frac{1}{4}$ " { second	1
	{ plug	1
	{ taper	1
	$1\frac{1}{8}$ " { second	1
	{ plug	1
Wrenches, "A" ...	...	1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT, AND NUT, MARK III, "B."

British Standard Whitworth Screw Thread.

Description.										No.	
<i>Section No. 7.</i>											
Tools, screw-cutting, bolt and nut, Mark III—											
Chests, "B" 1-inch to $\frac{5}{8}$ -inch, empty										1	
Dies	{	1-inch	...	...	...	...	...	...	...	1	
		$\frac{7}{8}$ "	...	...	...	...	...	...	...	1	
		$\frac{3}{4}$ "	...	...	...	...	...	...	...	1	
		$\frac{1}{2}$ "	...	...	...	...	...	...	...	1	
Spanners, "B"										1	
Stocks, "B"...										1	
Taps	{	1-inch	taper	...	...	...	...	...	...	1	
			second	...	...	...	...	...	...	...	1
		$\frac{7}{8}$ "	plug	...	...	...	...	...	...	...	1
			taper	...	...	...	...	...	...	...	1
		$\frac{3}{4}$ "	second	...	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	...	1
		$\frac{1}{2}$ "	taper	...	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	...	1
		$\frac{3}{8}$ "	plug	...	...	...	...	...	...	...	1
			...	...	...	...	...	...	...	...	1
Wrenches, "B"										1	

DETAIL OF SET OF TOOLS, SCREW - CUTTING, BOLT,
AND NUT, MARK III, "C."

British Standard Whitworth Screw Thread.

Description.										No.
Section No. 7.										
Tools, screw-cutting, bolt and nut, Mark III—										
Chests, "C," $\frac{1}{2}$ -inch to $\frac{5}{16}$ -inch, empty ...										1
Dies	{	$\frac{1}{2}$ -inch	...	...	...	...	...	...	...	1
		$\frac{7}{16}$ "	...	...	...	...	...	...	...	1
		$\frac{3}{8}$ "	...	...	...	...	...	...	...	1
		$\frac{5}{16}$ "	...	...	...	...	...	...	...	1
Spanners, "C" ...										1
Stocks, "C" ...										1
Taps	{	$\frac{1}{2}$ -inch	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		$\frac{7}{16}$ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		$\frac{3}{8}$ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
		$\frac{5}{16}$ "	taper	...	...	...	...	...	...	1
			second	...	...	...	...	...	...	1
			plug	...	...	...	...	...	...	1
Wrenches, "C" ...										1

DETAIL OF SET OF TOOLS, SCREW-CUTTING, BOLT, AND NUT, MARK III, "D."

British Standard Whitworth Screw Thread.

Description.								No.
Section No. 7.								
Tools, screw-cutting, bolt and nut, Mark III—								
Chests, "D," $\frac{1}{4}$ -inch to $\frac{1}{16}$ -inch, empty ...								1
Dies	{	$\frac{1}{4}$ -inch	...	...	...	...	...	1
		$\frac{7}{32}$ "	...	...	...	...	...	1
		$\frac{3}{16}$ "	...	...	...	...	...	1
		$\frac{5}{32}$ "	...	...	...	...	...	1
		$\frac{1}{8}$ "	...	...	...	...	...	1
Holders, tap...								1
Plates, screw								1
Spanners, "D"								1
Stocks, "D"...								1
Taps	{	$\frac{1}{4}$ -inch	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{7}{32}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{5}{32}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{1}{8}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{3}{32}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
		$\frac{1}{16}$ "	taper	...	...	...	...	1
			second	...	...	...	...	1
			plug	...	...	...	...	1
Wrenches, "D"								1

**DETAIL OF SET OF TOOLS, SCREW-CUTTING, BRASS
AND COPPER TUBE.**

Description.							No.
<i>Section No. 7.</i>							
Tools, screw-cutting, brass and copper tube—							
Chests, empty, $\frac{1}{4}$ -inch to $\frac{1}{2}$ -inch							1
Dies	$\frac{1}{4}$ -inch	...	...	...	...	...	1
	$\frac{5}{8}$ "	...	...	...	...	...	1
	$\frac{1}{2}$ "	...	...	...	...	...	1
	$\frac{7}{16}$ "	...	...	...	...	...	1
	$\frac{3}{8}$ "	...	...	...	...	...	1
	$\frac{5}{16}$ "	...	...	...	...	...	1
	$\frac{1}{4}$ "	...	...	...	...	...	1
	$\frac{3}{4}$ -inch	...	...	...	...	...	1
Guides	$\frac{3}{8}$ "	...	...	...	...	...	1
	$\frac{1}{2}$ "	...	...	...	...	...	1
	$\frac{7}{16}$ "	...	...	...	...	...	1
	$\frac{3}{8}$ "	...	...	...	...	...	1
	$\frac{5}{16}$ "	...	...	...	...	...	1
	$\frac{1}{4}$ "	...	...	...	...	...	1
Stocks	large	...	...	...	...	...	1
	small	...	...	...	...	...	1
Taps	$\frac{3}{4}$ -inch	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{5}{8}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{1}{2}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{7}{16}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{3}{8}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{5}{16}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
	$\frac{1}{4}$ "	taper	...	...	...	...	1
		plug	...	...	...	...	1
Wrenches	large	...	...	...	...	...	1
	medium	...	...	...	...	...	1
	small	...	...	...	...	...	1

**DETAIL OF SET OF TOOLS, SCREW-CUTTING, IRON
AND STEEL TUBE, $\frac{1}{4}$ -INCH TO $1\frac{1}{2}$ -INCH.**

Description.										No.
<i>Section No. 7.</i>										
Tools, screw-cutting, iron and steel tube, $\frac{1}{4}$-inch to $1\frac{1}{2}$-inch—										
Chests empty										1
Dies	{	$1\frac{1}{2}$ -inch	...	...	...	...	...	...	set	1
		$1\frac{1}{4}$ "	...	...	...	...	...	...	"	1
		1 "	...	...	...	...	...	...	"	1
		$\frac{3}{4}$ "	...	...	...	...	...	...	"	1
		$\frac{5}{8}$ "	...	...	...	...	...	...	"	1
		$\frac{1}{2}$ "	...	...	...	...	...	...	"	1
		$\frac{3}{8}$ "	...	...	...	...	...	...	"	1
		$\frac{1}{4}$ "	...	...	...	...	...	...	"	1
Stocks	{	large	...	...	...	...	...	...	...	1
		small	...	...	...	...	...	...	...	1
Taps	{	$1\frac{1}{2}$ -inch	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$1\frac{1}{4}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		1 "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$\frac{3}{4}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$\frac{5}{8}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$\frac{1}{2}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$\frac{3}{8}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
		$\frac{1}{4}$ "	{ taper	...	...	...	...	...	...	1
			{ plug	...	...	...	...	...	...	1
Tommyies	{	9-inch	...	...	...	...	...	...	...	1
		6. "	...	...	...	...	...	...	...	1
Wrenches	{	large	...	...	...	...	...	...	...	1
		small	...	...	...	...	...	...	...	1

APPENDIX VI.

TABLE 1.—Tools for Instruction in Field Works.

Referred to in paragraph 391 (i).

		Number per Fortress or Survey Company (except siege companies).			
Description.		With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceed- ing 100.	Number per siege com- pany.
Section No. 2A.					
Axes	{ felling, curved helve ...	1	2	4	2
	{ hand, Mark II... ..	2	3	6	3
	{	1	2	4	4
Helves, maul, 34½-inch ...		...	...	...	...
Hooks, bill		5	10	20	10
Mauls, G.S., heads		1	2	4	4
Section No. 2B.					
Axes, pick	{ heads, 4½-lb. ...	25	50	100	50
	{ helves, 36-inches, ferruled... ..	25	50	100	50
Barrows, wheel, intrenching, with wheels		—	—	—	6
Crowbars, 4-feet 6-inch ...		1	2	4	2
Lamps, tracing		1	1	2	2
Shovels, R.E.		25	50	100	50
Spades, Mark III		3	5	10	5
Tapes, tracing		2	5	10	10
Section No. 7.					
Anvils, 1-cwt.		—	—	—	1
Blocks, anvil, 1-cwt.		—	—	—	1
Cutters, wire		2	2	2	2
Forges, field, G.S.		—	—	—	1
Grindstones, F.S., 10-inch ...		1	1	2	1
Hammers, smiths, hand, 3-lb.		—	—	—	1
Levels, spirit rule		1	1	2	1
Pilers, side-cutting, 8-inch pairs		2	4	6	4
Pokers, smiths		—	—	—	1
Saws { hand, 26-inch		—	—	—	4
{ pit 6-feet 6-inch, complete		—	—	—	1
Silces, farriers		—	—	—	1
Tongs, gas- { 2-inch		—	—	—	1
{ fitters { 1½ "		—	—	—	1
{ ¾ "		—	—	—	1
Vices, standing, 36-lb.		—	—	—	1

TABLE 1—*continued*. Tools, for Instruction in Field Works.

Description.	Number per Fortress or Survey Company (except siege companies).			Number per siege company.
	With a strength of 40 or under.	With a strength exceeding 40 but not exceeding 100.	With a strength exceeding 100.	
<i>Section No. 8D.</i>				
Rods , measuring, common, 6-feet	2	5	10	10
Tapes , measuring, linen, 50-feet	1	1	2	2
<i>Section No. 12.</i>				
Shovels , stoking, small... ..	—	—	—	1
<i>Section No. 13C.</i>				
Gloves , hedging... .. pairs	4	6	8	6
<i>Section No. 28B.</i>				
Batteries , dry, O, ten-cell ...	2	2	4	2
Boxes , testing and jointing, filled (b) (c)	1	1	2	1
Cable , electric, E 1, Mark II (a) miles	$\frac{1}{2}$	$\frac{1}{2}$	1	1
Exploders , dynamo, electric quantity	1	1	2	1
<i>Section No. 29B.</i>				
Levels , F.S., 4-ft.	1	2	4	4
<i>Section No. 29D.</i>				
Forks , sandbag (b)	2	4	8	4
Ladders , scaling, 6-feet (b) ...	6	12	12	12
Plates , loopholed, Mark II ...	—	—	—	30

54

Engineers

1146

A.O. 113

1910

A.O. 211

1910

(a) 100 yards may be expended annually.

(b) These stores may be issued also to Field Companies, Royal Engineers, for annual training.

(c) Not more than 1 bobbin ($\frac{1}{4}$ dwt.) of the X. 11 wire contained in this box may be expended per unit annually.

TABLE 2.—Bridging, Mining, Railway and Telegraph Stores.

Referred to in paragraph 391 (ii).

Description.		Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.	51	
			Siege Company.	Other Company.	Siege Company.	Other Company.		1214	
Section No. 2A.									
Helves , maul, 34½-inch...	...	2	—	—	—	—	—	57	
Mauls , G.S., heads	...	2	—	—	—	—	—	Irish 970	
Section No. 4.									
Timber	{ sheeting, miners ...pieces	—	160	80	—	—	—		
	{ planks, spars, &c., various ...	(a)	—	—	—	—	—		
Section No. 7.									
Chests , tool, filled, carpenters...	...	—	1	—	—	—	—		
Adzes , carpenters	...	—	—	—	—	1	—		
Augers	{ screw	common, 3-inch	—	—	2	—	—		
		solid { 2-inch, 17½-inches long	2	—	—	—	—		
			wing, { 1½-inch	2	—	—	—	—	
			eyed { 1-inch, 29-inches long	2	—	—	—	—	
			¾-inch	—	—	—	1	—	
	{ handles	18-inch	2	—	—	—	—	—	
		16 "	2	—	—	—	—	—	
		13½ "	—	—	—	—	1	—	
		12 "	—	—	2	—	—	—	
		Gimlets , spike, ½-inch	2	—	—	—	—	—	
Hammers	{ claw, 24-oz.	4	—	—	—	—	—		
	{ smiths, hand, 3-lb.	—	—	—	—	1	—		
Levels , spirit, block, 18-inches...	...	—	—	—	1	—	—		
Mallets , carpenters	...	2	—	—	—	—	—		
Pliers , side-cutting, 8-inch	... pairs	—	—	—	—	—	2		
Saws , cross cut	{ blades, 5-feet	1	—	—	—	—	—		
	{ handles	2	—	—	—	—	—		
Spanners , adjustable, 15-inch	...	—	—	—	—	1	1		
Section No. 8A.									
Blocks, tackle, G.S.	{ 3-inch cordage	double	2	—	—	—	—	A.O. 115	
		single	2	—	—	—	—	1909	
	{ 2 " "	snatch	2	—	—	—	—	—	
		double	2	—	—	—	—	—	
		snatch	2	—	—	—	—	—	
		treble	2	—	—	—	—	—	
	{ 1½ " "	double	—	—	—	—	—	1	
		single	—	—	—	—	—	1	

(a) As required. To be provided locally.

TABLE 2—continued. Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.
		Siege Company.	Other Company.	Siege Company.	Other Company.	
Section No. 8A—continued.						
Cordage, hemp { hawser, 3-strand, tarred or white { 3-inch { 50 fms. (falls) ... 30 to 36 fms. (guys) ... 30 fms. (cables) ... 9 " (foot ropes) ... 2½-inch, 6 fms. (slings) ... 2-inch { 50 fms. (falls) ... 9 " (lashings) ... 6 " " ... 1½-inch { 60-feet (breast lines) ... 6 fms. (lashings) ... 3 " (braces) ... 6 " (lashings) ... 1-inch { 16-feet (lashings transom) ... { bolt, 3-strand, 1½-inch ... fms.	3	—	—	—	—	—
	12	—	—	—	—	—
	4	—	—	—	—	—
	12	—	—	—	—	—
	8	—	—	—	—	—
	3	—	—	—	—	—
	60	—	—	—	—	—
	60	—	—	—	—	—
	12	—	—	—	—	—
	200	—	—	—	—	—
	48	—	—	—	—	—
	200	—	—	—	—	—
Lines, Hambro' ... 10						
Rope, galvanized steel wire, 3-inch, fms. 100						
Section No. 8B.						
Lifebuoys ... 2 (a)						
Oars, ash, leathered, 12-feet ... 14						
Section No. 8D.						
Rods, measuring, common, 6-feet ...						
Tapes, measuring, linen, 50 feet ... 1						
Section No. 10B.						
Tarpaulins, { 24-feet × 18-feet ... — 2						
{ 18 " × 15 " (or other suitable size) part worn ... 2 (b)						
57						
Irish						
970						
51						
Engrs.						
1199						

(a) Number may be increased at discretion of G.O.C.

(b) If available locally, temporary issue may be authorized by the G.O.C. if considered desirable for instruction in making floating rafts.

TABLE 2—*continued.* Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.	51
		Siege Company.	Other Company.	Siege Company.	Other Company.		1214
Section No. 28A.							
Lamps, electric, secondary battery ...	—	2	—	—	—	—	
Section No. 28B.							
Wire { electric { Z.23 ... lbs.	—	—	—	—	—	79	
{ Z.31 ... "	—	—	—	—	—	20	
{ stay, BB.5 ... "	—	—	—	—	—	28	
Section No. 28C.							
Beaters { heads... ...	—	—	—	4	2	—	
{ helves ...	—	—	—	4	2	—	
Clips, lifting ...	—	—	—	—	2	—	
Cramps, ratchet brace...	—	—	—	1	—	—	
Crowbars, { 5-feet 7-inch ...	—	—	—	—	1	—	
platelayers { 5 " 5½ " ...	—	—	—	4	1	—	
Dogs, railway and { 15-inch ... 100	—	—	—	—	—	—	
sawyers, straight { 12 " ...	—	—	—	—	20	—	
Extractors, spike, platelayers ...	—	—	—	—	1 (a)	—	
Gauges, plate- { 4-feet 8½-inches ...	—	—	—	—	1 (a)	—	
layers, common { 2 " 6 " ...	—	—	—	1	—	—	
Hammers, { keying ...	—	—	—	—	1 (a)	—	
platelayers { spiking ...	—	—	—	3	1 (a)	—	
Irons, expansion ...	—	—	—	—	8	—	
Levers, platelayers, 14-feet ...	—	—	—	1	1 (a)	—	
Plant, railway, old {	—	—	—	—	200	—	
	{ chairs { spikes ... (spare)	—	—	—	20	—	
	{ trenails ... (")	—	—	—	20	—	A.O. 202 1909
	{ fishplates ... sets	—	—	—	50	—	
	{ keys, wood ...	—	—	—	200	—	A.O. 290 1909
{ sleepers, 9-feet x 9-inch x 4½-inch ...	—	—	—	—	100 (b)	—	

(a) If sets are subdivided, additional issues of these items may be made to each locality.

(b) See note (c), page 160.

TABLE 2—continued. Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.
		Siege Company.	Other Company.	Siege Company.	Other Company.	
Section No. 28D—continued.						
Railbenders { Vojacek's, heavy ...	—	—	—	—	1 (a)	—
{ with lever, small ...	—	—	—	1	—	—
Sets, cold, large ...	—	—	—	1	1 (a)	—
Spanners, platelayers, straight, $\frac{3}{4}$ -inch, 2-feet long ...	—	—	—	4	1 (a)	—
Spikes, wrought iron, dog ...	—	—	—	300	—	—
Straightedges, wood ...	—	—	—	1	—	—
Not in Vocabulary.						
Fish { bolts (b) ...	—	—	—	140	—	—
{ plates, 11-lb. (b) ... pairs	—	—	—	35	—	—
Plant, railway, old.—Rails, double-headed, 72-lb. per yard, 24-feet lengths ...	—	—	—	—	16 (c)	—
Rails, 35-lb. per yard, 24-feet lengths (b) ...	—	—	—	30	—	—
Sleepers { 4-feet 6-inch (b) ...	—	—	—	140	—	—
{ 9-feet (b) ...	—	—	—	5	—	—
{ frog (b) ...	—	—	—	1	—	—
Turnout { switches (b) ... pairs	—	—	—	1	—	—
{ guard rails (b) ...	—	—	—	1	—	—
{ turntable and rods (b) ...	—	—	—	1	—	—
Trolleys, 2-feet 6-inch gauge (b) ...	—	—	—	2	—	—
Section No. 29A.						
Apparatus, repairing wire ...	—	—	—	—	—	2
Arms, telegraph pole, ordinary, 24-inch	—	—	—	—	—	4
Brackets, insulator, tubular, iron pole, semi-permanent ...	—	—	—	—	—	2
Insulators { ebonite { hanging ...	—	—	—	—	—	2
{ with shank ...	—	—	—	—	—	2
{ porcelain { large ...	—	—	—	—	—	2
{ terminal ...	—	—	—	—	—	2
{ shackle, double ...	—	—	—	—	—	2

(a) If sets are subdivided, additional issues of these items may be made to each locality.

(b) To be purchased locally.

(c) The following stores, if available, will be used up in lieu of these items:—

Plant, railway, old { rails, 18-feet lengths.
 sleepers of sizes.

TABLE 2—continued. Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.	51
		Siege Company.	Other Company.	Siege Company.	Other Company.		1214
Section No. 29A—continued.							
Ladders, field telegraph	—	—	—	—	—	1	
Poles, { iron, semi-permanent	—	—	—	—	—	1	
telegraph { wood, plain, light, 26-feet	—	—	—	—	—	2	
Stay tighteners, $\frac{5}{8}$ -inch	—	—	—	—	—	2	
Telephone { sets, portable, D	—	2	—	—	—	—	
{ cells, dry	—	2(a)	—	—	—	—	
Vices, draw	—	—	—	—	—	2	
Section No. 29c.							
Anchors, pontoon, 1-cwt.	4	—	—	—	—	—	
Barrel pier {	36	—	—	—	—	—	
	8	—	—	—	—	—	
	4	—	—	—	—	—	
	1	—	—	—	—	—	
Boat hooks, 11-feet $7\frac{1}{2}$ -inch	2	—	—	—	—	—	
Buoys, anchor, iron	4	—	—	—	—	—	
Sticks, rack	48	—	—	—	—	—	
Section No. 29d.							
Bars, boring {	—	4	—	—	—	—	
	—	4	—	—	—	—	
	—	4	—	—	—	—	
	—	4	—	—	—	—	
Blowers, rotary	—	4	2	—	—	—	
Hose, $1\frac{1}{4}$ -inch lengths	—	20	10	—	—	—	
Wrenches, $1\frac{1}{4}$ -inch hose	—	8	4	—	—	—	
Buckets, miners	—	4	4	—	—	—	
Candlesticks, miners	—	12	20	—	—	—	
Caps, knee, miners pairs	—	8	—	—	—	—	
Cases, mining {	—	60	20	—	—	—	
	—	120	40	—	—	—	
A.O. 290 1909							
54 Engineers 1088							

A.O. 290
190954
Engineers
1088

TABLE 2—continued. Bridging, Mining, Railway and Telegraph Stores.

Description.	Bridging Stores.	Mining Plant.		Railway Plant.		Telegraph Stores.			
		Siege Company.	Other Company.	Siege Company.	Other Company.				
Section No. 29D—continued.									
Frames, mining	{	branch gallery	...	—	18	6	—	—	—
		common gallery	...	—	24	8	—	—	—
		shaft	...	—	36	12	—	—	—
		shaft top	...	—	6	2	—	—	—
Hammers, miners	{	boring { 7-lb.	...	—	4	—	—	—	—
		5-lb.	...	—	4	—	—	—	—
		sledge, 14-lb.	...	—	2	—	—	—	—
Ladders, miners, 20-feet			...	—	4	3	—	—	—
Picks, miners	{	heads, 4½-lb.	...	—	8	3	—	—	—
		helves, 24-inch	...	—	8	3	—	—	—
Picks, miners, push			...	—	8	6	—	—	—
Hammers, earth			...	—	2	2	—	—	—
Scrapers, earth...			...	—	4	4	—	—	—
Shields, sap			...	—	4	—	—	—	—
Shovels, miners...			...	—	8	3	—	—	—
Trucks, miners			...	—	8	4	—	—	—
Not in Vocabulary.									
Aerophores, Applegarth's,	with			—	1	—	—	—	—
400-feet of tubing			...	—	2	—	—	—	—
Curbs for cased shafts			...	—	2	—	—	—	—
Section No. 29E.									
Pumps, lift and force			...	—	3	—	—	—	—
Tube-wells, 1½-inch			...	—	1	—	—	—	—
Apparatus, driving	sets		...	—	1	—	—	—	—
Not in Vocabulary.									
Casks, water, 108-gallons			...	28(a)	—	—	—	—	—
Pimlico Section No. 19.									
Hats, sou'wester			...	—	8	—	—	—	—

(a) These will be replaced, when unserviceable, by 84 casks, water, 36-gallons.

TABLE 2A.—Special Bridging Stores.

Description.	Proportions.	A.O. 47 1912
<i>Section No. 3.</i>		
Steel, mild, I.C., No. 6, bars—		
Flat, $1\frac{1}{2}$ -inch $\times$ $\frac{1}{4}$ -inch ... feet	60	} Per Field Company, R.E., and per Command at Gibraltar, Malta and Hong Kong,
Half-round, $1\frac{1}{2}$ -inch $\times$ $\frac{3}{4}$ -inch „	120	
Round, $\frac{5}{8}$ -inch ... „	120	
<i>Not in Vocabulary.</i>		
Screwed ends, with nuts for bolts—		
$\frac{3}{4}$ -inch	60	
$\frac{5}{8}$ „	60	
<i>Section No. 8A.</i>		
Rope, galvanized steel wire, $1\frac{1}{2}$-inch fms.	$\left. \begin{array}{l} 60 \text{ per Command (a).} \\ 120 \text{ „ „ (b).} \end{array} \right\}$	
<i>Not in Vocabulary.</i>		
Rope, galvanized steel wire, 5-inch, fms.	$\left. \begin{array}{l} 100 \text{ per Command (a).} \\ 200 \text{ „ „ (b).} \end{array} \right\}$	

(a) Aldershot, Eastern, Southern, Irish, Egypt, Gibraltar, Malta and Hong Kong.

(b) South Africa only.

TABLE 3.—Expendable Stores.

Referred to in paragraph 391 (iii).

Description.	Annual Allowances.						Remarks.
	Per Cavalry Regiment or Mounted Infantry Battn.	Per Horse or Field Artillery Battery.	Per Siege Artillery Company.	Per Siege Company, R.E. (b).	Per Other R.E. Company (b).	Per Infantry Battalion (c).	
Section No. 3. Wire ordinary, galvanized iron, iron, No. 14, S.W.G. ... lbs. steel, No. 14, S.W.G., 2-strand, barbed ... lbs. No. 14, S.W.G. lbs. No. 24, ,, ,,	...	...	100	56a	56a	56a	To be provided locally.
	...	...	...	224a	224a	56a	
	30	...	...	224a	224a	56a	
	...	...	...	10	10	5	
Section No. 4. Profiling stuff, 1½-inch × ¼-inch ...	...	...	...	...	...	...	
Section No. 8A. Cordage, spun yarn, hemp, 3-thread, tarred ... lbs. Twine, whipping ... "	10	14	...	40	40	14	
	...	...	...	7	7	4	
Section No. 9A. Chalk white ... lbs. prepared, white, boxes " red and blue ... " Grease, lubricating cwt. Paint, Balmain's, luminous ... lbs.	...	...	...	1	1	10	
	...	...	...	1	1	1	
	...	...	...	½	...	...	
	...	...	...	1	...	...	
	...	...	...	1	...	...	

(a) 50 per cent. only may be expended annually.

(b) Companies with a strength of less than 40 men will draw half these quantities.

(c) Battalions detailed to furnish Mounted Infantry companies on mobilization may also draw one-third of the Cavalry set.

TABLE 3—continued. Expendable Stores.

51
1214

Description.		Annual Allowances.						Remarks.
		Per Cavalry Regiment or Mounted Infantry Batt'n.	Per Horse or Field Artillery Battery.	Per Siege Artillery Company.	Per Siege Company, R.E. (d).	Per Other R.E. Company (d).	Per Infantry Battalion (e).	
Section No. 10A.								
Nails	iron, spike, No. 184, lbs.	...	...	...	28	28	100	
	steel, clasp, cut, No. 63	3	...	...	28	28	14	
	wire, iron, grooved, 6-inch to 1½-inch	...	...	...	112	...	...	
Section No. 28c.								
Plant, railway, old	chairs	12	...	...	...	...	...	A.O. 290
	keys, wood	12	...	...	...	...	...	1909
	rails yds.	12	...	...	...	...	...	
	sleepers, 9 ft. x 9 in. x 4½ in.	6	...	...	...	...	...	
Section No. 29D.								
Bags, sand, common		...	...	100	1000	500	250	A.O. 47
Brushwood—								1912
Fascines (f) or Gabions (g)	bundles	40	...	1b	2b	2b	1b	
				250	1000	250	100c	A.O. 315
Pickets	brushwood	...	...	...	...	...	...	1910
	brushwood	...	...	...	...	...	...	54
	entanglements high wire	...	...	...	...	48	...	Engineers
	entanglements low wire	...	...	...	...	124	...	1088
gabion, band, 3-ft. (g)		...	...	375	1200	375	150c	
Not in Vocabulary.								
Candles		...	...	...	25	...	...	A.S.C.
Rope or cordage, old		14	14	...	28	28	28	supply.
Straw, trusses		20	...	...	...	20	...	For teaching knots.
Corrugated iron, old, about 22 gauge		...	...	...	200	...	...	A.S.C.
ft. run								supply.
								To be provided locally.

(b) Per man exercised, to be provided locally.

(c) If brushwood is expensive.

(d) Companies with a strength of less than 40 men will draw half these quantities.

(e) Battalions detailed to furnish Mounted Infantry companies on mobilization may also draw one-third of the Cavalry set.

(f) Alternative issue, as desired.

(g) Until the stock of paper band gabions is exhausted, issues should be made in the proportion of two-thirds paper bands and pickets, and one-third "Gabions, sheet."

51
1214A.O. 290
1909A.O. 47
1912A.O. 315
1910
54
Engineers
1088A.S.C.
supply.
Engineers
114657
Gen. No.
8557

TABLE 4.—Explosives.
Referred to in paragraph 391 (iii).

51 1214	Description.	Annual Allowances.			Remarks.
		Per Cavalry Regiment.	Per Siege Company R.E. (f).	Per Other R.E. Company (f).	
	<i>Section No. 3.</i> Wire , ordinary copper, No. 28, S.W.G., soft ... ozs.	6	...	...	
	<i>Section No. 25.</i> Guncotton , dry, primers:— Field, 1-oz.	20 (a)	550 (b)	120 (b)	
74	Guncotton , wet:— Charges, field, 15-oz. ...	7 (c)	14 (d)	14 (d)	
9	Gunpowder , R.L.G. lbs.	...	1,000	200 (e)	
1468	<i>Not in Vocabulary.</i> Caps , commercial, sextuple	...	25	...	
A.O.	Dynamite , blasting gelatine, or other suitable explosive lbs.	...	25	25	If obtainable locally.
315	<i>Section No. 26.</i> Detonators { electric, No. 13 No. 8 ...	...	50	25	
1910		50	50	25	For instantaneous and safety fuze.
54	Detonators , grenade—				
Engineers	Hand	...	6	...	
1187	Hand, for instruction	...	4 (g)	...	
	Fuze { instantaneous yds. 30	30	200	100	
	{ safety, No. 9 fms. 8	8	50	50	
	Fuzes , electric, No. 14	...	25	25	
54	Grenades , hand—				
Engineers	Mark I	...	6	...	
1187	Practice	...	12 (g)	...	
	For instruction	...	4 (g)	...	
	Matches , vesuvian ... boxes	2	6	4	To be provided locally.

(a) Rocket, 2-oz. primers will be issued with "V" slabs.

(b) "H" primers will be issued with "S" and "T" slabs.

(c) When stock of "V" slabs is exhausted.

(d) When stocks of "S" and "T" slabs are exhausted.

(e) 50 lbs. only for the Company at Bermuda.

(f) Companies having a strength of less than 40 men will draw half these quantities.

(g) These items are not annual supplies.

APPENDIX VII.

Referred to in paragraph 305.

CAMP EQUIPMENT.

TABLE 1.—Standing Camps. Proportions for all Services.

Description.	Proportion.
<i>Section No. 2A.</i>	
Axes { felling, curved helve { hand, Mark II ... }	10 per regiment of cavalry and bat- talion of infantry, 4 per other unit.
Bags , letter, field ...	1 per office; headquarters units only.
Boxes , stationery, field ...	
Buckets , water, G.S., canvas ...	1 per 2 horses.
Chairs , camp ...	1 per general officer.
Colours , camp ...	8 per field veterinary section.
Cords , forage ...	1 per 8 mounted N.C.Os and men or less.
Covers , saddle ...	1 per set of saddlery or single set of harness, 2 per double set of harness.
Flags , distinguishing ...	As required.
Helves , maul, 3½-inch ...	1 per 50 horses.
Hooks , bill ...	10 per regiment of cavalry, 20 per battalion of infantry, 4 per other unit.
Kettles , camp, oval, 12 quarts ...	1 per 8 N.C.Os. and men.
Lamps , candle ...	1 per office tent (headquarters units only).
Lanterns , tent { distinguishing ... { folding ...	As required. 20 per regiment of cavalry 4 per battalion of infantry, 2 per head- quarters, 2 per other mounted unit and 1 per other dismounted unit. 1 per tent may be issued, under authority of the G.O.C. in coun- tries where there is no twilight.
Mallets , heel peg ...	1 per 3 officers' horses, 1 per 8 other horses.
Mauls , G.S., heads ...	1 per 50 horses.
Nets , hay ...	1 per horse, if specially required.

TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.		Proportion.
<i>Section No. 2A—continued.</i>		
	Ovens, Aldershot pattern...	2 per regiment of cavalry, or battalion of infantry, and 1 per other unit. (To be issued only where the same troops are under canvas for a consecutive period of more than 28 days.)
A.O. 115	Plates, bottom ...	1 per oven when specially required.
1909	Pegs, picketing, with rope loop ...	2 per horse, and 25 per cent. spare.
A.O. 229		Not for heavy artillery batteries.
1911	Posts, picket, 2½-feet, with rope loop ...	Heavy artillery batteries, 1 per horse. Other units 1 per 10 horses. (To increase stability of built-up rope.)
	Racks, arm, tent, large loops ...	1 per N.C.O. and man's tent.
	{ head, hemp, with ring ...	1 per horse and 10 per cent. spare (50 per cent. spare for heavy artillery batteries).
A.O. 229	Ropes { heel ...	1 per horse and 20 per cent. spare (75 per cent. spare for heavy artillery batteries).
1911	{ picketing, 4-feet 9-inches	1 per horse and 10 per cent. spare. Not for heavy artillery batteries.
	Rugs, horse { large ...	1 per public horse of household and heavy cavalry, R.A., R.E., A.S.C., and M.M.P.; 10 per cent. of horses for other services.
	{ small ...	For 90 per cent. of public horses of units not in possession of full proportion of large rugs.
	Screens, latrine (a) ...	1 for officers, 1 for N.C.Os., and 1 per company or squadron.
	Sheets, ground (b)... ...	8 per tent, or 1 for each man in tents occupied by a less number than 8.
	Stools, camp ...	1 per office tent (headquarters units only).
	Stoves, Soyer's ...	4 per regiment of cavalry or battalion of infantry and 1 per other unit. <i>To be issued only when coal is the fuel used.</i>
	Tables, camp ...	1 per general officer.

(a) An additional one may be issued for bathing places if considered desirable.

(b) When tent bottoms are not supplied.

TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.	Proportion.
<i>Section No. 2A—continued.</i>	
Tents, complete—	
Circular, double, linen ...	1 per general officer.
Circular, single, linen (a) ...	1 per field officer, 1 per 2 other officers, 1 per 12 N.C.Os. and men of dismounted units, 1 per 10 N.C.Os. and men of mounted units, and 1 per two squadrons for squadron serjeant-major and squadron quartermaster-serjeant.
	30 miscellaneous per regiment of cavalry; 12 miscellaneous per other mounted unit, 16 miscellaneous per battalion of infantry, and 5 per other dismounted unit.
	For headquarters units, 1 per officer, 1 per two servants, 1 per office, and 3 miscellaneous.
Marquee, small, single ...	1 for recreation room per regiment of cavalry, brigade of artillery, or battalion of infantry, 1 per serjeants' mess per brigade of artillery, 1 per headquarters unit, 3 per 2 other units if number of members of officers' mess does not exceed 12.
Store	1 per serjeants' mess per regiment of cavalry, or battalion of infantry.
Tubs, washing, 3½ gallons...	1 per staff serjeant's tent and 2 per tent for other N.C.Os. and men.
<i>Section No. 2B.</i>	
Axes, pick { heads, 4½-lb. helves, 36-inches, ferruled ...	10 per regiment of cavalry and battalion of infantry, 4 per other unit.
Barrows, wheel intrenching with wheels	16 per regiment of cavalry, 3 per other mounted unit.
Crowbars	4 per regiment of cavalry and battalion of infantry, 1 per other unit.

(a) See paragraph 305 regarding issues of C.D.L. in lieu at stations abroad.

(Eq. R. 10070)

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TABLE 1—*contd.* Standing Camps. Proportions for all Services.

Description.	Proportion.
<i>Section No. 2B—continued.</i>	
Shovels, G.S. (a)	16 per regiment of cavalry, 10 per battalion of infantry, 5 per other mounted unit, 3 per other dismounted unit.
Spades, Mark III	10 per regiment of cavalry or battalion of infantry, 5 per other mounted unit and 3 per other dismounted unit.
Wedges, sawyers (b)	6 per regiment of cavalry or battalion of infantry, 2 per headquarters and 4 per other unit.
<i>Section No. 5B.</i>	
Forges, packsaddle (c)	2 per regiment of cavalry and 1 per other mounted unit unprovided with forge in peace equipment.
<i>Section No. 7.</i>	
Anvils { 1-cwt. ½-cwt.	1 per forge, field, G.S. 1 per forge, packsaddle.
Blocks, anvil { 1-cwt. ½-cwt.	1 per forge, field, G.S. 1 per forge, packsaddle.
<i>Section No. 8A.</i>	
Cordage, hemp, hawser, 3-strand, tarred, 2½-inch	As necessary for heavy artillery batteries.
<i>Section No. 11.</i>	
Brooms, birch	16 per regiment of cavalry, 10 per battalion of infantry, 6 per other unit.

(a) Royal Engineers will receive spades, Mark III, in lieu.

(b) Supplied only when wood that requires splitting is issued.

(c) Until stock is exhausted, then forges, field G.S. If the forge work of the unit is too heavy to be satisfactorily carried out with packsaddle forges, a forge cart or forge wagon may be issued in lieu, if available.

Description.		Proportion.
<i>Section No. 11—continued.</i>		
Chairs, Windsor		3 per unit (except headquarters units) for orderly room and quartermaster's stores.
Lamps, hurricane		When considered necessary by G.O.C.
		Not to exceed :—
		12 per battalion of infantry
		6 per regiment of cavalry
		2 per other unit
		for lighting urine receptacles and latrines at night in camps of not less than 14 days' duration.
Tables, soldiers {	tops { 4-feet ...	1 per headquarters office.
	6 " ...	3 per unit (except headquarters units) for orderly room and quartermaster's stores.
	trestles ...	2 per table top.
<i>Section No. 12.</i>		
Implements, butchers {	balances, spring, 4-lb. ...	1
	cases, wood, empty ...	1
	choppers, meat ...	1
	hooks, dressing, 9-inch ...	6
	knives { cutting ...	1
	flaying, large ...	1
	saws, tenon, 14-inch ...	1
	sheets, ground (unserviceable) ...	1
	steels ...	1
	steelyards, 56-lb. ...	1
		} per unit.
Pails, iron, galvanized, 3 gallons ...		1 per tent (except office tents).
Scales, weighing, iron beam, with triangles, and sets of weights, 5-cwt.		1 per camp.
Stones, rub, scythe (or rag) ...		6 per regiment of cavalry or battalion of infantry, 2 per other unit.
<i>Section No. 13A.</i>		
Blankets, G.S.		2 per W.O., N.C.O. and man.

TABLE 1—*contd.* Standing Camps. Proportions for all Services

Description.	Proportion.
<i>Section No. 13c.</i>	
Stretchers, ambulance	1 per unit (except headquarters).
<i>Section No. 21A.</i>	
Carts { small-arm ammunition	1 per regiment of cavalry or battalion of infantry if required.
water	As required, unless water is laid on to the cooking places on the camp ground, when 1 per regiment of cavalry, 2 per battalion of infantry, and 1 per other unit will be supplied.
<i>Section No. 28c.</i>	
Hammers, platelayers sledge (a)	6 per regiment of cavalry or battalion of infantry, 2 per headquarters and 4 per other unit.

(a) Supplied only when wood that requires splitting is issued.

N.B.—Mounted infantry battalions draw on the same scale as regiments of cavalry.

Scale for Officers' Mess (if number of members exceeds 12).
Standing Camps only.

Description.	Proportion.	
<i>Section No. 2A.</i>		<i>A.O. 229</i> <i>1911</i>
Lanterns, tent, folding	4	} per mess.
Stoves, Soyer's	2	
{ circular, single linen	2	
Tents, { marquee, small, single	1	
com- { ridge pole or marquee,	1	
plete { small, single	1	
{ store	1	
<i>Section No. 11.</i>		<i>A.O. 229</i> <i>1911</i>
Chairs, Windsor	1 per officer and 6 per mess.	
Lamps, hurricane	1 per 6 officers.	
Tables, soldiers {	tops { 6-feet	1 per 4 officers and 2 spare per mess.
	{ 4 "	4 per mess.
	trestles... ..	2 per table top.
<i>Section No. 12.</i>		
Cans, 3 gallons	3 per mess.	
Dishes, meat, tin, 17½-inches	6 per mess.	
Tubs, washing, 8 gallons, iron	4 per mess.	

TABLE 2.—Camp Hospital Equipment.

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Gen. No. 995

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1666

Scale of Hospital Equipment for a unit when training at stations where no Military Hospital is available.

N.B.—When the sick are treated in buildings the tents and other special camp articles will not be issued.

Cleaning and washing materials will be issued upon the written authority of the G.O.C. The quantities issued should not exceed those authorized in the Hospital Schedules for hospitals generally.

Description.	No.	Remarks.
Section No. 2A.		
Axes, felling, curved helve ...	1	
Bedsteads, F.S. { boards ... sets	10	
{ trestles ... pairs	10	
Flags, dis- { hospital, 6-feet by		
tinguishing { 4-feet ...	1	
{ crossbars ... pairs	1	
{ poles, 16-feet ...	1	
Kettles, camp, oval, 12 quarts ...	2	
Lanterns, tent, distinguishing,		
white... ..	2	
Screens, latrine	2	
Sheets, ground	—	1 per bed when tent bottoms are not issued.
Stools, camp	1	
Stoves, Soyer's	1	If coal is issued.
Tables, camp	1	
Tents, { circular, single, linen	1	For dispensary.
complete { marquee, small, double	1	For sick.
Tubs, washing, 3½ gailons ...	1	
Section No. 2B.		
Shovels, G.S.	1	
Section No. 7.		
Chisels, ripping	1	
Hammers, claw, 24-oz. (or 20-oz.)	1	

TABLE 2—continued. Camp Hospital Equipment.

Description.	No.	Remarks.
<i>Section No. 11.</i>		
Basins, sores	2	
Brooms, bass { heads, common ...	1	
{ handles	1	
Brushes, scrubbing, hand	2	
Chairs, Windsor	1	
Forms, { tops, 4-feet	2	
{ ironwork, 4-feet form sets	2	
Lamps, hurricane	4	
Stools, night	1	
Tables, { tops, 4-feet	2	
{ trestles	4	
Wash-hand stands, hospital ...	1	
<i>Section No. 12.</i>		
Basins, enamelled, 7½-inch × 5½-inch	3	
Bins, ash, movable	1	
Cans, 3 gallons { lids	1	
Cans, oil, 5½ pints	1	
Cups, spitting, enamelled	3	
Feeders, enamelled	2	
Kettles, enamelled	1	
Ladles, cooks, field ambulance ...	1	
Latrines, dry earth, scoops...	—	1 per latrine.
Pails, iron, galvanized, 4 gallons ...	2	
Panniers, general service	3(a)	
Pannikins, pint, enamelled...	10	
Pans, bed, enamelled	2	
Pots { chamber enamelled...	4	
{ tea, enamelled	2	
Saucepans, F.A., nest of 8 ... nests	1	
Scissors { hair cutting ... pairs	1	
{ lamp	1	
Spoons, electro-plated, table ...	10	
Urinals, zinc	2	

(a) The panniers are not issued "filled," but certain stores taken from those allowed by this table will be packed in them, as shown at end of table.

TABLE 2—continued. Camp Hospital Equipment.

Description.		No.	Remarks.
Section No. 13A.			
57	Blankets, G.S.	3	} per bed.
Gen. No.,	Bolsters, barrack, coir	1	
995	Cases, slip, bolster, barrack, coir	1	
	Mattresses, single soldiers	1	
Section No. 13C.			
	Cloths { bed-pan, covering	2	
	{ distinctive... ..	2	
	Stretchers, ambulance	1	
	Towels { hand, hospital	24	
	{ round	6	
	Not in Vocabulary.		
	Paper, latrine... .. lbs.	6	To be demanded from the A.S.C.
MEDICAL AND SURGICAL EQUIPMENT.			
	Bottles, water (medical)	2	} To be demanded on A.F. L 1209 from the D.D.M.S. of the Command in which training takes place.
	Boxes, field, fracture	1	
	Companions, medical	1	
	Haversacks, surgical	1	
	Instruments, tooth sets	1	
	Panniers, field, medical ... pairs	1	
	Pumps, stomach	1	
	Syringes { ear, brass	1	
	{ all glass, with 2 P.I. needles (a)	1	
SUPPLIES.			
	Panniers, medical comfort, Mark II, filled	1	To be demanded from the O.C. A.S.C. of the area.
STATIONERY OFFICE SUPPLIES.			
	Army Book 27 (Admission and Discharge Book	1	} To be demanded from the Stationery Office.
	Army Book 39 (Diary or Ward Book)	1	

NOTE.—A "Standard, measuring, height" together with a "Machine, weighing, man" may be issued when certified to be necessary by the D.D.M.S.

(a) For mercurial injections.

The undermentioned stores, taken from those detailed in the foregoing table will be packed in the G.S. panniers as shown below :—

Description.	No.	Carried in.	57 Gen. No. 995
Feeders , enamelled 2 Kettles , enamelled 1 Ladles , cooks, field ambulance ... 1 Pannikins , pint, enamelled ... 10 Pots , tea, enamelled 2 Saucepans , F.A., nest of 8 ... nests 1 Spoons , electro-plated, table ... 10		} 1st pannier.	9 Gen. No. 3243
Basins { enamelled, 7½-inch × 5½-inch 3 sorens 2 Pans , bed, enamelled 2 Paper , latrine... .. lbs. 6 Scissors , hair cutting ... pairs 1 Towels { hand, hospital 24 round 6		} 2nd pannier.	
Brushes , scrubbing, hand 2 Cans , oil, 5½ pints 1 Chisels , ripping 1 Cloths { bed-pan, covering ... 2 distinctive... .. 2 Cups , spitting enamelled 3 Hammers , claw, 24-oz. (or 20-oz.)... 1 Lamps , hurricane 4 Pots , chamber, enamelled 4 Scissors , lamp pairs 1 Urinals , zinc 2		} 3rd pannier.	

TABLE 3.—Scale of Camp

Description.		All Units.	Headquarters Units.
<i>Section No. 2A.</i>			
Axes	{ felling, curved helve ...	... ..	1 per unit ...
	{ hand, Mark II ...	... ..	1 per unit ...
Bags, letter, field ...		... ..	1 per unit ...
Boxes, stationery, field (b) ...		1 per unit.	... ..
A. O. 47 1912 Buckets, water G.S. canvas ...		1 per 2 horses, and 1 per horse - drawn hired vehicle.	... ..
Chairs, camp ...		... ..	1 per General Officer ...
Cords, forage ...		1 per 4 horses.	... ..
Covers, saddle... ..		1 per horse.	... ..
Flags, distinguishing... ..		As required.	... ..
Helms, maul, 34½-inch ...		1 per 50 horses.	... ..
Kettles, camp, oval, 12 quarts ...		1 per 16 W.Os., N.C.Os. and men, with 50 per cent. additional, if specially ordered (c)	... ..
Lamps, candle... ..		... ..	1 per office ...
Lanterns, tent { distinguishing ...		As required.	... ..
{ folding ...		... ..	1 per unit ...
Mallets, heel peg ...		1 per 8 horses or less (d)	... ..
Mauls, G.S., heads... ..		1 per 50 horses.	... ..
A. O. 229 1911 Pegs, picketing, with rope loop ...		2 per horse and 25 per cent. spare. Not for heavy Arty. batteries.	... ..
Posts, picket, 2½-feet, with rope loop ...		Heavy Artillery batteries 1 per horse. Other units 1 per 10 horses. To increase stability of built-up rope.	... ..
Racks, arm, tent, large loops ...		1 per N.C.O. and men's tent, except medical units.	... ..
{ head, hemp with ring ...		1 per horse and 10 per cent. spare (50 per cent. spare for heavy Arty. batteries).	... ..
A. O. 229 1911 Ropes { heel, Mark IV ...		1 per horse and 20 per cent. spare (75 per cent. spare for heavy Arty. batteries).	... ..
{ picketing, 4-feet 9-inches ...		1 per horse and 10 per cent. spare. Not for heavy Arty. batteries.	... ..
Rugs, horse ...		1 per public horse.	... ..
Screens, latrine ...		1 for officers, 1 for N.C.Os., and 1 per squadron or company.	... ..

(a) A company of mounted infantry will draw
 (b) Stationery will be provided by the units
 (c) Required if cooks are sent on over night
 (d) Officers' horses not picketed with public

TABLE 3—continued. Camp

Description.	All Units.	Headquarters Units.
<i>Section No. 2A.</i>		
Sheets, ground	8 per N.C.Os. and men's tent, 1 per man when less than 8 in a tent, and, if required for detached duties, 15 per cent. of the strength of the unit may be drawn in addition.	... ..
Stools, camp		1 per office
Tables, camp		1 per G.O.C. (personal use) 1 per office tent (excluding marquee)
Tables, portable, F.S.		2 per hd.-qrs. office marquee
C.D.L. C.S.L. (a) Tents, complete		1 per General Officer
		1 per field officer; 1 per 2 other officers; and 1 per 6 other ranks (to include the tents required for guards and offices)
		
		
marquee, small, single		1 for officers' mess if required; 1 per hd.-qrs. office
<i>Section No. 2B.</i>		
Axes, { heads, 4½-lb. } pick { helvcs, 36-inches, ferruled ... }		1 per unit... ..
Shovels, G.S. (b)		1 per unit... ..
Spades, Mark III		1 per unit... ..
Wedges, sawyers		2 per unit

(a) Tents to be calculated separately for headquarters, squadrons, batteries, com-
N.C.Os. above the rank of corporal to count as 2 men.
If cooks are sent on overnight to next camping ground, extra tents should be
(b) Royal Engineers receive spades Mark III in lieu.

Equipment for Manœuvres.

Cavalry and Mounted Infantry.	Royal Artillery.	Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.
... ..					
1 per office ...	... ..	... ..	1 per office ...	... ..	... ..
1 per office ...	... ..	... ..	1 per office ...	... ..	... ..
... ..					
1 ... per C.O. regiment; 1 per M.O. (to be used also as inspection tent); 1 per 3 other officers; 2 for guard per regiment, 1 for guard per detached squadron; 1 for office per regiment; 1 per 12 W.Os., N.C.Os. and men	1 ... per C.O. Brigade; 1 per 3 officers; 1 per 12 other ranks	1 per 3 officers; 1 per 12 other ranks	1 ... per C.O. battalion; 1 per M.O. (to be used also as an inspection tent); 1 per 3 other officers; 1 for guard per battalion; 1 for office per battalion; 1 per 12 W.Os., N.C.Os. and men	1 ... per 3 officers; 1 per 12 other ranks	1 ... per 3 officers; 1 per 12 other ranks
... ..					
1 per hd.-qrs.; 1 per squadron	2 per unit ...	2 per unit ...	1 per hd.-qrs.; 1 per 2 companies	2 per unit..	2 per unit.
2 per hd.-qrs.; 2 per squadron	1 per unit ...	2 per unit ...	1 per hd.-qrs.; 1 per 2 companies	2 per unit...	2 per unit.
2 per hd.-qrs.; 2 per squadron	1 per unit ...	2 per unit ...	1 per hd.-qrs.; 1 per 2 companies	2 per unit...	2 per unit.
4 per regiment; 2 per detached squadron	2 per unit ...	2 per unit ...	4 per unit ...	2 per unit...	2 per unit.

panies, &c.; any fraction of 12 to count as 12. A W.O. to count as 3 men; other allowed for their use.

TABLE 3—continued. Camp

Description.				All Units.	Headquarters Units.
<i>Section No. 5A.</i>					
Bags, nose, G.S.	...	...	...	1 per officer's horse	...
<i>Section No. 5B.</i>					
Forges, packsaddle (a)	...	...	...	...	...
<i>Section No. 7.</i>					
Anvils	{ 1-cwt.	...	...	...	...
	{ ½ "	...	...	...	...
Blocks, anvil,	{ 1-cwt.	...	...	...	...
	{ ½ "	...	...	...	...
<i>Section No. 8A.</i>					
A.O. 229 1911	Cordage, hemp, hawser, 3-strand, tarred, 2½-inch.	...	...	...	...
<i>Section No. 11.</i>					
Brooms, bass	...	...	...	...	1 per 25 horses or less...
<i>Section No. 12.</i>					
Implements, butchers	...	sets	...	1 per unit	...
Pails, iron, galvanized, 3 gallons (or buckets, canvas)	...	...	...	1 per N.C.O. and men's tent.	...
<i>Section No. 13A.</i>					
Blankets, G.S.	...	...	...	1 per W.O., N.C.O., and man (b).	...
<i>Section No. 21A.</i>					
Carts	{ S.A.A.	...	...	...	...
	{ water (c)	...	...	...	1 per unit
<i>Section No. 28C.</i>					
Hammers, platelayers, sledge	...	...	...	...	1 per unit

(a) Or forge, field, G.S., in lieu.

(b) A second blanket per man will be stored in ordnance depôts in the manoeuvre

(c) Carts, water tank, if available; if insufficient available, infantry units

Equipment for Manœuvres.

Cavalry and Mounted Infantry.	Royal Artillery.	Royal Engineers.	Infantry.	Army Service Corps.	Royal Army Medical Corps.
... ..					
... ..	1 per brigade hd.-qrs.; 1 per detach- ed battery	... ..	... ..	1 per unit...	... ..
... ..	1 per forge, field, G.S.	... ..	... ..	1 per forge, field, G.S.	... ..
... ..	1 per forge, packsaddle	... ..	... ..	1 per forge, packsaddle	... ..
... ..	1 per forge, field, G.S.	... ..	... ..	1 per forge, field, G.S.	... ..
... ..	1 per forge, packsaddle	... ..	... ..	1 per forge, packsaddle	... ..
... ..	As necessary for heavy batteries	... ..	... ..	... ..	... ..
1 per 25 horses	1 per 25 horses	1 per 25 horses	1 per hd.- qrs.; 1 per company	1 per 25 horses	2 per unit.
... ..					
... ..					
... ..					
1 per regi- ment; 1 per detached squadron.	... ..	... ..	1 per unit ...	... ..	... ..
2 per regi- ment; 1 per detach- ed squadron.	1 per unit ...	1 per unit ...	2 per unit ..	1 per unit	1 per unit.
2 per regi- ment; 1 per detached squadron,	1 per unit ...	1 per unit ...	2 per unit ...	1 per unit	1 per unit.

area, ready for issue if specially ordered.
should be supplied as far as possible, barrels being issued to mounted units.

(Eq. R. 10070)

N

TABLE 3—*continued.*

**SCALE OF EQUIPMENT FOR MESSES ON
MANŒUVRES.**

I.—Large Mess.

Description.	Proportion.
Section No. 2A.	
Lamps, candle... ..	1 per 6 officers.
Lanterns, tent, folding	4
Screens, latrine	1
Tables, portable, F.S.	1 per 6 officers and 2 spare.
Tents, { circular, single, linen	1
complete { marquee, small, single (a)	1
Section No. 2B.	
Shovels, G.S.	1

II.—Small Mess.

<i>Section No. 2A.</i>										
Lamps, candle...	...	...	...	...	...	...	...	...	...	1
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	1
Tables, portable, F.S.	...	...	...	...	...	...	...	...	...	1
Tents, complete, circular, single linen	...	...	...	...	...	...	...	...	...	1

(a) If more than 24 officers are encamped an additional marquee may be drawn.

TABLE 3—*continued.*

**SCALE OF EQUIPMENT FOR REGIMENTAL INSTITUTES
ON MANŒUVRES.**

I.—Full Canteen.

Description.										Proportion.
<i>Section No. 2A.</i>										
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	3
Tables, portable, F.S.	...	...	...	...	...	...	...	...	...	2
Tents, complete, marquee, small, single	...	...	...	...	...	...	...	...	...	1
<i>Section No. 12.</i>										
Machines, weighing, without weights, 28-lb.	...	...	...	...	...	...	...	...	...	1
Pails, iron, galvanized, 3 or 4 gallons	...	...	...	...	...	...	...	...	...	2
Weights	brass	$\frac{1}{2}$ -oz.	...	...	...	...	...	...	...	1
		1-oz.	...	...	...	...	...	...	...	1
	iron, ring	$\frac{1}{2}$ -lb.	...	...	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	...	...	1
		1 "	...	...	...	...	...	...	...	1
		2 "	...	...	...	...	...	...	...	1

II.—Half Canteen.

<i>Section No. 2A.</i>										
Lanterns, tent, folding	...	...	...	...	...	...	...	...	...	2
Tables, portable, F.S.	...	...	...	...	...	...	...	...	...	1
Tents, complete, ridge pole, or marquee, small, single	...	...	...	...	...	...	...	...	...	1
<i>Section No. 12.</i>										
Machines, weighing, without weights, 28-lb.	...	...	...	...	...	...	...	...	...	1
Pails, iron, galvanized, 3 or 4 gallons	...	...	...	...	...	...	...	...	...	1
Weights	brass	$\frac{1}{2}$ -oz.	...	...	...	...	...	...	...	1
		1 "	...	...	...	...	...	...	...	1
	iron, ring	$\frac{1}{2}$ -lb.	...	...	...	...	...	...	...	1
		$\frac{1}{2}$ "	...	...	...	...	...	...	...	1
		1 "	...	...	...	...	...	...	...	1
		2 "	...	...	...	...	...	...	...	1

APPENDIX VIII.

(Referred to in paragraph 473.)

MATERIALS FOR REPAIR AND PRESERVATION
OF ARMS.

I. MATERIALS FOR REPAIRING ARMS.

Units in possession of a greater or less number of arms than those for which scales are laid down will demand proportionate quantities.

Fractional results should be taken as whole numbers, and allowances should be made for any number in possession of the unit.

The patterns of arms for which components are required should be stated on indents.

In the case of mobilization arms, particular care must be taken to ensure that the authorized proportion of components suited to each mark of arm are at all times stored in accordance with the various mobilization store tables.

Items required for repair of the arms of units unprovided with armourers, will be demanded and accounted for by the officer whose armourer is detailed to perform the work.

TABLE I.—Materials for Repair of Rifles, short, M.L.E., which have not been altered to suit Mark VII ammunition.

Description.	Annual proportion per 1,000 arms.										
	Mounted units.						Dismounted units.				
	Rifles, short, M.L.E.						Rifles, short, M.L.E.				
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.
<i>Weedon Section.</i>											
Bottles, oil:—											
Stoppers (a)	5	5	5	5	5	5	5	5	5	5	5
Washers (a)	10	10	10	10	10	10	10	10	10	10	10
Pullthroughs:—											
Cords (b)	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250	2250
Gauze, wire (c)	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750	2750
Bands, outer, M.L.E.R.S., I											
Barleycorns, foresight,	10	10	10	10	10	10	10	10	10	10	10
M.L.E.R.S., I:—											
93-inch	6	6	6	6	—	—	6	6	6	6	—
945 "	6	6	6	6	—	—	6	6	6	6	—
96 "	2	2	2	2	—	—	2	2	2	2	—
975 "	2	2	2	2	—	—	2	2	2	2	—
99 "	2	2	2	2	—	—	2	2	2	2	—

- (a) Mark II for Mark II oil bottles, and Mark III for Marks III and IV oil bottles.
 (b) 3000 may be issued at Mauritius and Straits Settlements.
 (c) 3375 may be issued at Bermuda, Malta, and South China.
 5000 may be issued at Mauritius and Straits Settlements.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Weedon Section—continued.												
Beads , pointer, dial sight, M.L.M.R., II ...	40	40	40	40	40	40	15	15	15	15	15	15
Blades , foresight, M.L.E.R.S., III:—												
0.985-inch ...	—	—	—	—	6	6	—	—	—	—	6	6
1.0 " ...	—	—	—	—	6	6	—	—	—	—	6	6
1.015 " ...	—	—	—	—	2	2	—	—	—	—	2	2
1.03 " ...	—	—	—	—	2	2	—	—	—	—	2	2
1.045 " ...	—	—	—	—	2	2	—	—	—	—	2	2
Bolts , breech, M.L.E.R.S., I	15	15	15	15	15	15	15	15	15	15	15	15
" locking, " I	30	30	30	30	—	—	30	30	30	30	—	—
" " III	—	—	—	—	30	30	—	—	—	—	30	30
" stock, " I	1	1	1	—	1	—	1	1	1	—	1	—
" " M.L.E., No. 2 ...	—	—	—	1	—	—	—	—	—	1	—	1
Brackets , swivel, butt, M.L.E.R.S., I* ...	5a	5	5a	5	5	5	5a	5	5a	5	5	5
Caps , handguard, front, M.L.E.R.S., I ...	1	1	1	1	1	1	1	1	1	1	1	1
Caps , nose, M.L.E.R.S., III...	1b	1b	1b	1b	1	1	1b	1b	1b	1b	1	1
Cases , magazine, M.L.E.R.S., I, No. 2	5c	5c	5c	5c	5	5	5c	5c	5c	5c	5	5
Catches , magazine, M.L.M.R., II	5	5	5	5	5	5	5	5	5	5	5	5
" safety, bolt, locking, M.L.E.R.S., I ...	10	10	10	10	10	10	10	10	10	10	10	10
" slide, backsight:— M.L.E.R.S., I ...	30	30	30	30	—	—	15	15	15	15	—	—
" M.L.E.R.S., III...	—	—	—	—	5	5	—	—	—	—	5	5
Clips , stop, magazine, M.L.E.R.S., I ...	15	15	15	15	15	15	15	15	15	15	15	15
Cocking-pieces , M.L.E.R.S., I* ...	35	35	35	35	35	35	35	35	35	35	35	35
Collars , screw, front, trigger guard, M.L.M. ...	1	1	1	1	1	1	1	1	1	1	1	1
Cut-offs , M.L.E.R.S. III(b) ...	10	10	10	10	10	10	10	10	10	10	10	10
Discs , marking butt, brass ...	5	5	5	—	5	—	5	5	5	—	5	—
Extractors , M.L.E.R.S., I ...	20	20	20	20	20	20	20	20	20	20	20	20
Fine-adjustments , back-sight, M.L.E.R.S., I ...	5	5	5	5	—	—	5	5	5	5	—	—
Guards , hand, { front ...	40	40	40	40	—	—	25	25	25	25	—	—
" M.L.E.R.S., I { rear ...	35	35	35	35	—	—	25	25	25	25	—	—
Guards , hand, { front ...	—	—	—	—	40	40	—	—	—	—	25	25
" M.L.E.R.S., III { rear ...	—	—	—	—	10	10	—	—	—	—	10	10
Guards , trigger, M.L.E.R.S., I	1	1	1	1	1	1	1	1	1	1	1	1

(a) When fitted with this component. (b) When stocks of Marks I and I* are used up.
 (c) When stock of No. 1 is used up.

TABLE 1—*continued.* Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>												
Guides, charger, head, breech bolt, M.L.E.R.S., I, No. 2 ...	30	30	30	30	—	—	30	30	30	30	—	—
Heads, breech bolt:—												
M.L.E.R.S., I ...	15	15	15	15	—	—	15	15	15	15	—	—
M.L.E.R.S., III ...	—	—	—	—	15	15	—	—	—	—	15	15
Heads, screw, wind-gauge, M.L.E.R.S., III, No. 2 (a) ...	—	—	—	—	10	10	—	—	—	—	10	10
Leaves, backsight:—												
M.L.E.R.S., I ...	5	5	5	5	—	—	5	5	5	5	—	—
M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Nuts, screw, back, nose-cap, M.L.E.R.S., I ...	1	1	1	1	1	1	1	1	1	1	1	1
„ screw, protector, back-sight, M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Pins:—												
Axis, backsight:—												
M.L.E.R.S., I ...	2	2	2	2	—	—	2	2	2	2	—	—
M.L.E.R.S., III ...	—	—	—	—	2	2	—	—	—	—	2	2
Axis, trap, butt plate:—												
M.L.E.R.S., I*, No. 2 ...	5b	5b	5b	—	5	—	10b	10b	10b	—	10	—
M.L.M. ...	—	—	—	5	—	5	—	—	—	10	—	10
Axis, worm, fine adjustment, catch, slide, back-sight, M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Catch, magazine, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
Fixing, head, screw, wind-gauge, M.L.E.R.S., III (c)	—	—	—	—	10	10	—	—	—	—	10	10
Fixing, stud, head, catch, slide, backsight, M.L.E.R.S., I ...	5	5	5	5	—	—	5	5	5	5	—	—
Fixing, washer, pin, axis, backsight, M.L.E.R.S., I	20	20	20	20	20	20	20	20	20	20	20	20
Stop, band, lower, M.L.M.R. ...	2	2	2	2	2	2	2	2	2	2	2	2
Stop, bolt, locking—												
M.L.E.R.S., I ...	25	25	25	25	—	—	25	25	25	25	—	—
M.L.E.R.S., III ...	—	—	—	—	25	25	—	—	—	—	25	25
Trigger, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
Plates, butt:—												
M.L.E.R.S. I*, No. 2 ...	5	5	5	—	5	—	10	10	10	—	10	—
M.L.M.R., II ...	—	—	—	2	—	2	—	—	—	5	—	5
Plates, keeper, screw, wind-gauge, M.L.E.R.S., I ...	2	2	2	2	—	—	2	2	2	2	—	—

(a) When stock of No. 1 is used up.

(b) When fitted with No. 2 Mark I* butt plates.

(c) No. 1 or No. 2 according to pattern of head.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Feedon Section—continued.												
Wipes, keeper, stockbolt, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Wipers, magazine, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Wipers, sight, dial, M.L.M.R., II ...	10	10	10	10	10	10	10	10	10	10	10	10
Wipers, sight, back, M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	—
Wipers, fore-end, M.L.M. ...	2	—	2	2	—	2	2	—	2	2	—	—
Wipers, spring, handguard, M.L.E.R.S., I ...	10	10	10	10	10	10	10	10	10	10	10	10
crews:—												
Band, inner, M.L.E.R.S., I	2	2	2	2	2	2	2	2	2	2	2	2
Bed, backsight:—												
M.L.E.R.S. I, back ...	5	5	5	5	—	—	5	5	5	5	—	—
M.L.E.R.S. I, front ...	5	5	5	5	—	—	5	5	5	5	—	—
Cap, nose, M.L.E.R.S., I:—												
Back ...	5	5	5	5	5	5	5	5	5	5	5	5
Front ...	5	5	5	5	5	5	5	5	5	5	5	5
Catch, slide, backsight, M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	—
Cut-off, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
Disc, marking butt ...	5	5	5	—	5	—	5	5	5	—	5	—
Ejector, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
Extractor, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
Fine-adjustment, backsight, M.L.E.R.S., I ...	5	5	5	5	—	—	5	5	5	5	—	—
Guard, trigger:—												
M.L.E.R.S. I, back ...	20	20	—	—	20	—	20	20	—	—	20	—
M.L.M., back ...	—	—	20	20	—	20	—	—	20	20	—	20
M.L.M., front ...	5	5	5	5	5	5	5	5	5	5	5	5
Keeper, fine-adjustment, M.L.E.R.S., I ...	10	10	10	10	2a	2a	10	10	10	10	2a	2a
Keeper, striker, M.L.E.R.S., I* ...	25	25	25	25	25	25	25	25	25	25	25	25
Plate, butt, iron ...	4	4	4	4	4	4	4	4	4	4	4	4
Protector, backsight, M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Sear, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
Sight, dial, M.L.E.R.S., I, fixing ...	5	5	5	5	5	5	5	5	5	5	5	5
Sight, dial, M.L.M., pivot ...	5	5	5	5	5	5	5	5	5	5	5	5
Spring, sight, aperture:—												
M.L.E.R.S., I ...	10	10	—	—	10	—	10	10	—	—	10	—
M.L.M. ...	—	—	10	10	—	10	—	—	10	10	—	10
Spring, sight, back:—												
M.L.E.R.S., I, No. 2 ...	5	5	5	5	—	—	5	5	5	5	—	—
M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5

(a) For handguard cap.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Weedon Section—continued.												
Screws:—												
Spring, trap, butt plate:—												
M.L.E.R.S., I* ...	10a	10	10a	—	10	—	10a	10	10a	—	10	—
M.L.M. ...	—	—	—	5	—	5	—	—	—	5	—	5
Stop, charger guide:—												
M.L.E.R.S., I, No. 1 (b) ...	40	40	40	40	—	—	40	40	40	40	—	—
M.L.E.R.S., I, No. 2 (b) ...	40	40	40	40	—	—	40	40	40	40	—	—
Strap, butt plate, iron	2c	2	2c	5	2	5	2c	2	2c	5	2	5
Swivel, M.L.E.R.S., I* ...	40	40	40	40	40	40	40	40	40	40	40	40
Windgauge, backsight:—												
M.L.E.R.S., I ...	10	10	10	10	—	—	10	10	10	10	—	—
M.L.E.R.S., III ...	—	—	—	—	10	10	—	—	—	—	10	10
Sears, M.L.E.R.S., I ...	20	20	20	20	20	20	20	20	20	20	20	20
Sights, aperture, M.L.M.R. ...	5	5	5	5	5	5	5	5	5	5	5	5
Slides, backsight:—												
M.L.E.R.S., I ...	2	2	2	2	—	—	2	2	2	2	—	—
M.L.E.R.S., III ...	—	—	—	—	2	2	—	—	—	—	2	2
Springs:—												
Auxiliary platform, magazine, M.L.E.R.S., I:—												
No. 1 ...	20	20	20	20	—	—	20	20	20	20	—	—
No. 2 ...	20d	20d	20d	20d	20	20	20d	20d	20d	20d	20	20
Catch, slide, backsight:—												
M.L.E.R.S., I ...	5	25	25	25	—	—	25	25	25	25	—	—
M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Extractor, M.L.E.R.S., III	20	20	20	20	20	20	20	20	20	20	20	20
Fine-adjustment, backsight, M.L.E.R.S., I ...	20	20	20	20	—	—	20	20	20	20	—	—
Guard, hand, rear, double, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Main, M.L.M. ...	10	10	10	10	10	10	10	10	10	10	10	10
Platform, magazine, M.L.E.R.S., I ...	20	20	20	20	20	20	20	20	20	20	20	20
Retaining, breech bolt, M.L.M. ...	5	5	5	5	5	5	5	5	5	5	5	5
Screw, band, inner, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Screw fine-adjustment, backsight, M.L.E.R.S., I	5	5	5	5	—	—	5	5	5	5	—	—
Screw, windgauge, backsight:—												
M.L.E.R.S., I ...	5	5	5	5	—	—	5	5	5	5	—	—
M.L.E.R.S., III ...	—	—	—	—	10	10	—	—	—	—	10	10
Sear, M.L.M. ...	15	15	15	15	15	15	15	15	15	15	15	15

(a) When fitted with Mark I* butt plates.

(b) For No. 1 or No. 2 charger guides as required.

(c) When fitted with "Bracket, swivel, butt."

(d) For No. 2 magazine only.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>												
Springs:—												
Sight, aperture:—												
M.L.E.R.S., III ...	20a	20a	—	—	20	—	20a	20a	—	—	20	—
M.L.M. ...	—	—	20	20	—	20	—	—	20	20	—	20
Sight, back, M.L.E.R.S., III ...	3a	3a	3a	3a	3	3	3a	3a	3a	3a	3	3
Sight, dial, M.L.M. ...	2	2	2	2	2	2	2	2	2	2	2	2
Stud, fore-end, M.L.E.R.S., I	5	5	5	5	5	5	5	5	5	5	5	5
Trap, butt plate:—												
M.L.E.R.S., I* ...	25b	25	25b	—	25	—	25b	25	25b	—	25	—
M.L.M. ...	—	—	—	10	—	10	—	—	—	10	—	10
Windgauge, back-sight, M.L.E.R.S., III ...	—	—	—	—	10	10	—	—	—	—	10	10
Stems, swivel, butt, M.L.E.R.S., I (c) ...	5	—	5	—	—	—	5	—	5	—	—	—
Stocks, butt, M.L.E.R.S.:—												
Mark I { long ...	3	—	3	—	—	—	3	—	3	—	—	—
normal ...	10	—	10	—	—	—	10	—	10	—	—	—
short ...	3	—	3	—	—	—	3	—	3	—	—	—
Mark I* { long ...	3d	3	3d	—	3	—	3d	3	3d	—	3	—
normal ...	10d	10	10d	—	10	—	10d	10	10d	—	10	—
short ...	3d	3	3d	—	3	—	3d	3	3d	—	3	—
Converted II*, { long ...	—	—	—	3	—	3	—	—	—	3	—	3
normal ...	—	—	—	10	—	10	—	—	—	10	—	10
short ...	—	—	—	3	—	3	—	—	—	3	—	3
Stocks, fore-end, M.L.E.R.S.:—												
Mark I ...	20e	20	20e	20	—	—	15e	15	15e	15	—	—
Mark III ...	—	—	—	—	20	20	—	—	—	—	15	15
Strikers, M.L.E.R.S., I ...	30	30	30	30	30	30	30	30	30	30	30	30
Studs:—												
Clip, stop, magazine, M.L.E.R.S., I ...	25	25	25	25	25	25	25	25	25	25	25	25
Fore-end, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Head, catch, slide, back-sight, M.L.E.R.S., I ...	35	35	35	35	—	—	15	15	15	15	—	—

(a) When stock of Mark I is used up.

(b) When fitted with Mark I* butt-plates.

(c) Not required when fitted with "Bracket, swivel, butt."

(d) When fitted with Mark I* butts. If issued to meet indents for Marks I stock butts, they will be accompanied by "Brackets, swivel butt," and "Screws, strap, butt plate, iron."

(e) When required to replace stocks which are not recessed for stud and spring, "Springs, stud, fore-end" and "Studs, fore-end" must also be indented for.

TABLE 1—continued. Materials for Repair of Rifles, short, M.L.E.

Description.	Annual proportion per 1,000 arms.											
	Mounted units.						Dismounted units.					
	Rifles, short, M.L.E.						Rifles, short, M.L.E.					
	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.	Mark I.	Mark I*.	Converted Mark II.	Converted Mark II*.	Mark III.	Converted Mark IV.
Weedon Section—continued.												
Swivels, band, M.L.E.R.S., I	25	25	25	25	25	25	25	25	25	25	25	25
„ piling, M.L.M.R., II	—	—	—	—	—	—	40	40	40	40	40	40
Traps, butt plate :—												
M.L.E.R.S., I* { No. 1 ...	—	5	—	—	—	—	—	10	—	—	—	—
M.L.M.R., II { No. 2 ...	5	5	5	—	5	—	10	10	10	—	10	—
Triggers, M.L.E.R.S., I	3	3	3	3	3	3	3	3	3	3	3	3
Wads, bolt, stock, M.L.M. ...	30	30	30	30	30	30	30	30	30	30	30	30
Washers :—												
Bolt, stock ...	25	25	25	25	25	25	25	25	25	25	25	25
Guard, hand, or rivet, fore-end :—												
M.L.E.R.S., I ...	20	10	10	10	10	10	20	10	10	10	10	10
M.L.M. ...	—	—	10	10	—	10	—	—	10	10	—	10
Pin, axis, backsight, M.L.E.R.S., I ...	10	10	10	10	10	10	10	10	10	10	10	10
Screw, fixing, dial sight, M.L.M.R. ...	5	5	5	5	5a	5a	5	5	5	5	5a	5a
Spring, band, inner, M.L.E.R.S., I ...	5	5	5	5	5	5	5	5	5	5	5	5
Windgauges, backsight :—												
M.L.E.R.S., I ...	15	15	15	15	—	—	15	15	15	15	—	—
M.L.E.R.S., III ...	—	—	—	—	5	5	—	—	—	—	5	5
Worms, fine - adjustment, backsight, M.L.E.R.S. III	—	—	—	—	5	5	—	—	—	—	5	5

(a) Also washer for "Nut, screw, protector, sight, back."

TABLE 2.—Materials for Repair of Rifles, short, M.L.E., Sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section.</i>						
Bottles, oil:—						
Stoppers (a)	5	5	5	5	5	5
Washers (a)	10	10	10	10	10	10
Pullthroughs:—						
Cords (b)	2,250	2,250	2,250	2,250	2,250	2,250
Gauze, wire (c)	2,750	2,750	2,750	2,750	2,750	2,750
Bands, outer, M.L.E.R.S., I ...	10	10	10	10	10	10
Barleycorns, foresight, M.L.E.R.S., 1:—						
9-inch	6	—	—	6	—	—
915-inch	6	—	—	6	—	—
93-inch	2	—	—	2	—	—
945-inch	2	—	—	2	—	—
96-inch	2	—	—	2	—	—
975-inch	2	—	—	2	—	—
Beads, pointer, dial sight, M.L.M.R., II	40	40	40	15	15	15
Blades, foresight, M.L.E.R.S., III:—						
0.94-inch	—	6	6	—	6	6
0.955-inch	—	6	6	—	6	6
0.97-inch	—	2	2	—	2	2
0.985-inch	—	2	2	—	2	2
1.0-inch	—	2	2	—	2	2
1.015-inch	—	2	2	—	2	2
1.03-inch	—	2	2	—	2	2
Bolts:—						
Breech, M.L.E.R.S., I ...	15	15	15	15	15	15
Locking, M.L.E.R.S., I ...	30	—	—	30	—	—
Locking, M.L.E.R.S., III ...	—	30	30	—	30	30
Stock, M.L.E.R.S., I ...	1	1	—	1	1	—
Stock, M.L.E., No. 2 ...	—	—	1	—	—	1
Brackets, swivel, butt, M.L.E.R.S., I*	5	5	5	5d	5	5
Caps:—						
Handguard, front, M.L.E.R.S., I ...	1	1	1	1	1	1
Nose, M.L.E.R.S., III ...	1d	1	1	1d	1	1

(a) Mark II for Mark II oil bottles, and Mark III for Marks III and IV oil bottles.

(b) 3,000 may be issued at Mauritius and Straits Settlements.

(c) 3,375 may be issued at Bermuda, Malta and South China. 5,000 may be issued at Mauritius and Straits Settlements.

(d) Will be issued when the stock of Mark I is used up.

TABLE 2—continued. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Cases, magazine, f No. 3 (a) ...		5	5	5	5	5
M.L.E.R.S., I { No. 4 (b) ...		5	5	5	5	5
Catches:—						
Magazine, M.L.M.R., II ...		5	5	5	5	5
Safety bolt, locking, ...						
M.L.E.R.S., I... ...	10	10	10	10	10	10
Slide, backsight:—						
M.L.E.R.S., I... ...	30	—	—	15	—	—
M.L.E.R.S., III ...	—	5	5	—	5	5
Clips, stop, magazine, ...						
M.L.E.R.S., I (c) ...	15	15	15	15	15	15
Cocking-pieces, M.L.E.R.S., I* ...	35	35	35	35	35	35
Collars, screw, front, trigger guard, M.L.M. ...	1	1	1	1	1	1
Cut-offs, M.L.E.R.S., III (d) ...	10	10	10	10	10	10
Discs, marking butt, brass ...	5	5	—	5	5	—
Extractors, M.L.E.R.S., I ...	20	20	20	20	20	20
Fine-adjustments, backsight, ...						
M.L.E.R.S., I ...	5	—	—	5	—	—
Guards, hand, { front ...	40	—	—	25	—	—
M.L.E.R.S., I { rear... ...	35	—	—	25	—	—
Guards, hand, { front ...	—	40	40	—	25	25
M.L.E.R.S., III { rear... ...	—	10	10	—	10	10
Guards, trigger, M.L.E.R.S., I ...	1	1	1	1	1	1
Guides, charger, head, breech bolt, M.L.E.R.S., I, No. 2 ...	30	—	—	30	—	—
Hends, breech bolt:—						
M.L.E.R.S., I ...	15	—	—	15	—	—
M.L.E.R.S., III ...	—	15	15	—	15	15
Hends, screw, windgauge, ...						
M.L.E.R.S., III, No. 2 (e) ...	—	10	10	—	10	10
Leaves, backsight:—						
M.L.E.R.S., I ...	5	—	—	5	—	—
M.L.E.R.S., III ...	—	5	5	—	5	5
Nuts, screw, back, nose-cap, ...						
M.L.E.R.S., I ...	1	1	1	1	1	1
Nuts, screw, protector, back-sight, M.L.E.R.S., III ...	—	5	5	—	5	5

(a) For rifles fitted with No. 3 magazine cases. When the stock of No. 3 magazine cases is exhausted, No. 4 will be issued in lieu.

(b) When required to replace No. 3 cases, No. 3 platforms with platform spring attached and No. 4 auxiliary springs will also be issued.

(c) Not for No. 4 magazine case.

(d) When stock of Marks I and I* are used up.

(e) When stock of No. 1 is used up.

TABLE 2—*continued*. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Pins—						
Axis, backsight :—						
M.L.E.R.S., I	2	—	—	2	—	—
M.L.E.R.S., III	—	2	2	—	2	2
Axis, trap, butt plate :—						
M.L.E.R.S., I* No. 2 ...	5a	—	—	10a	10	—
M.L.M.	—	—	5	—	—	10
Axis, worm, fine-adjustment, catch, slide, backsight, M.L.E.R.S., III	—	5	5	—	5	5
Catch, magazine, M.L.M. ...	5	5	5	5	5	5
Fixing, head, screw, } No. 1 (b)	—	10	10	—	10	10
wind gauge, } No. 2 (b)	—	10	10	—	10	10
M.L.E.R.S., III						
Fixing, stud, head, catch, slide, backsight M.L.E.R.S., I	5	—	—	5	—	—
Fixing, washer, pin, axis, backsight, M.L.E.R.S., I ...	20	20	20	20	20	20
Stop, band, lower, M.L.M.R. ...	2	2	2	2	2	2
Stop, bolt, locking :—						
M.L.E.R.S., I	25	—	—	25	—	—
M.L.E.R.S., III	—	25	25	—	25	25
Trigger, M.L.M.	5	5	5	5	5	5
Plates, butt :—						
M.L.E.R.S., I* No. 2	5	5	—	10	10	—
M.L.M.R., II	—	—	2	—	—	5
Plates :—						
Keeper, screw, windgauge, M.L.E.R.S., I	2	—	—	2	—	—
Keeper, stockbolt, M.L.E.R.S., I	5	5	5	5	5	5
Platforms, maga- } No. 2 (c)	5	5	5	5	5	5
zine, M.L.E.R.S., I } No. 3 (d)	20	20	20	20	20	20
Pointers, sight, dial, M.L.M.R., II	10	10	10	10	10	10
Protectors, sight, back, M.L.E.R.S., III	—	5	5	—	5	5
Rivets :—						
Fore-end, M.L.M.	—	—	2	—	—	2
Spring, handguard, M.L.E.R.S., I	10	10	10	10	10	10

(a) When fitted with No. 2 Mark I* butt plates.

(b) For No. 1 and No. 2 heads respectively.

(c) For rifles fitted with No. 3 magazine case.

(d) With No. 2 platform spring attached. For rifles fitted with No. 4 magazine case.

TABLE 2—continued. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Screws :—						
Band, inner, M.L.E.R.S., I ..	2	2	2	2	2	2
Bed, backsight—						
M.L.E.R.S., I, back ...	5	—	—	5	—	—
M.L.E.R.S., I, front...	5	—	—	5	—	—
Cap, nose, M.L.E.R.S., I—						
Back	5	5	5	5	5	5
Front	5	5	5	5	5	5
Catch, slide, backsight,						
M.L.E.R.S., III ...	—	5	5	—	5	5
Cut-off, M.L.M....	5	5	5	5	5	5
Disc, marking butt ...	5	5	—	5	5	—
Ejector, M.L.M. ...	10	10	10	10	10	10
Extractor, M.L.M. ...	10	10	10	10	10	10
Fine-adjustment, backsight,						
M.L.E.R.S., I ...	5	—	—	5	—	—
Guard, trigger—						
M.L.E.R.S., I, back ...	20	20	—	20	20	—
M.L.M., back ...	—	—	20	—	—	20
M.L.M., front ...	5	5	5	5	5	5
Keeper, fine-adjustment,						
M.L.E.R.S., I ...	10	2a	2a	10	2a	2a
Keeper, striker, M.L.E.R.S.,						
I*	25	25	25	25	25	25
Plate, butt, iron ...	4	4	4	4	4	4
Protector, backsight,						
M.L.E.R.S., III ...	—	5	5	—	5	5
Sear, M.L.M. ...	10	10	10	10	10	10
Sight, dial, M.L.E.R.S., I,						
fixing	5	5	5	5	5	5
Sight, dial, M.L.M., pivot	5	5	5	5	5	5
Spring, sight, aperture—						
M.L.E.R.S., I ...	10	10	—	10	10	—
M.L.M.	—	—	10	—	—	10
Springs, sight, back—						
M.L.E.R.S., I, No. 2...	5	—	—	5	—	—
M.L.E.R.S., III ...	—	5	5	—	5	5
Spring, trap, butt plate—						
M.L.E.R.S., I* ...	10	10	—	10	10	—
M.L.M.	—	—	5	—	—	5
Stop, charger, guide—						
M.L.E.R.S., I, No. 1 (b) ..	40	—	—	40	—	—
M.L.E.R.S., I, No. 2 (b) ...	40	—	—	40	—	—

(a) For handguard cap.

(b) For No. 1 and No. 2 charger guides respectively.

TABLE 2—continued. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Screws:—						
Strap, butt plate, iron... ..	2	2	5	2	2	5
Swivel, M.L.E.R.S., I*	40	40	40	40	40	40
Windgauge, backsight—						
M.L.E.R.S., I	10	—	—	10	—	—
M.L.E.R.S., III	—	10	10	—	10	10
Sears, M.L.E.R.S., I	20	20	20	20	20	20
Sights, aperture, M.L.M.R. ...	5	5	5	5	5	5
Slides, backsight:—						
M.L.E.R.S., I, No. 2	2	—	—	2	—	—
M.L.E.R.S., III, No. 2	—	2	2	—	2	2
Springs:—						
Auxiliary, plat- } No. 3 (a)	20	20	20	20	20	20
form, magazine, } No. 4 (a)	20	20	20	20	20	20
M.L.E.R.S., I						
Catch, slide, backsight:—						
M.L.E.R.S., I	25	—	—	25	—	—
M.L.E.R.S., III	—	5	5	—	5	5
Extractor, M.L.E.R.S., III ...	20	20	20	20	20	20
Fine-adjustment, backsight,						
M.L.E.R.S., I	20	—	—	20	—	—
Guard, hand, rear, double,						
M.L.E.R.S., I	5	5	5	5	5	5
Main, M.L.M.	10	10	10	10	10	10
Platform, magazine,						
M.L.E.R.S., I, No. 1 (b) ...	20	20	20	20	20	20
Retaining, breech bolt, M.L.M.	5	5	5	5	5	5
Screw, band, inner,						
M.L.E.R.S., I	5	5	5	5	5	5
Screw, fine-adjustment, back-						
sight, M.L.E.R.S., I	5	—	—	5	—	—
Screw, windgauge, back-						
sight:—						
M.L.E.R.S., I	5	—	—	5	—	—
M.L.E.R.S., III	—	10	10	—	10	10
Sear, M.L.M.	15	15	15	15	15	15

(a) For Nos. 3 and 4 magazine cases respectively.

(b) For No. 2 platform only. No. 3 platform is issued complete with No. 2 platform spring attached.

TABLE 2—continued. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Springs:—						
Sight, aperture:—						
M.L.E.R.S., III.	20a	20	—	20a	20	—
M.L.M.	—	—	20	—	—	20
Sight, back, M.L.E.R.S., III	3a	3	3	3a	3	3
Sight, dial, M.L.M.	2	2	2	2	2	2
Stud, fore-end, M.L.E.R.S., I.	5	5	5	5	5	5
Trap, butt plate:—						
M.L.E.R.S., I*	25	25	—	25	25	—
M.L.M.	—	—	10	—	—	10
Windgauge, backsight,						
M.L.E.R.S., III	—	10	10	—	10	10
Stocks, butt, M.L.E.R.S.:—						
long	3	3	—	3	3	—
Mark I* { normal	10	10	—	10	10	—
short	3	3	—	3	3	—
Converted II* { long	—	—	3	—	—	3
normal	—	—	10	—	—	10
short	—	—	3	—	—	3
Stocks, fore end, M.L.E.R.S.:—						
Mark I	20	—	—	15	—	—
Mark III	—	20	20	—	15	15
Strikers, M.L.E.R.S., I... ..	30	30	30	30	30	30
Studs:—						
Clip, stop, magazine,						
M.L.E.R.S., I (b)	25	25	25	25	25	25
Fore-end, M.L.E.R.S., I	5	5	5	5	5	5
Head, catch, slide, backsight,						
M.L.E.R.S., I	35	—	—	15	—	—
Swivels, band, M.L.E.R.S., I	25	25	25	25	25	25
piling, M.L.M.R., II... ..	—	—	—	40	40	40
Traps, butt plate:—						
M.L.E.R.S., I* { No. 1	5	—	—	10	—	—
{ No. 2	5	5	—	10	10	—
M.L.M.R., II	—	—	2	—	—	2
Triggers, M.L.E.R.S., I	3	3	3	3	3	3
Wads, bolt, stock, M.L.M.	30	30	30	30	30	30

(a) This pattern will be issued when the stock of Mark I is used up.

(b) Not for No. 4 magazine case.

TABLE 2—continued. Materials for Repair of Rifles, short, M.L.E., sighted for Mark VII Cartridges.

Description.	Annual proportion per 1,000 arms.					
	Mounted units.			Dismounted units.		
	Rifles, short, M.L.E.			Rifles, short, M.L.E.		
	Mark I*.	Mark III.	Converted Mark IV.	Mark I*.	Mark III.	Converted Mark IV.
<i>Weedon Section—continued.</i>						
Washers:—						
Bolt, stock	25	25	25	25	25	25
Guard, hand, or rivet, fore-end:—						
M.L.E.R.S., I	10	10	10	10	10	10
M.L.M.	—	—	10	—	—	10
Pin, axis, backsight, M.L.E.R.S., I	10	10	10	10	10	10
Screw, fixing, dial sight, M.L.M.R.	5	5a	5a	5	5a	5a
Spring, band, inner, M.L.E.R.S., I	5	5	5	5	5	5
Windgauges, backsight:—						
M.L.E.R.S., I	15	—	—	15	—	—
M.L.E.R.S., III	—	5	5	—	5	5
Worms, fine-adjustment, backsight, M.L.E.R.S., III ...	—	5	5	—	5	5

(a) Also washer for "Nut, screw, protector, sight, back."

TABLE 3.—Materials for Repair of Sword-bayonets.

Description.	Annual allowance per 1,000 Sword-bayonets, pattern	
	1903.	1907.
<i>Weedon Section.</i>		
Bolts , sword-bayonet, patt. '03	15	15
Grips , " " '88 Mark III pairs	20	—
" " " '07	—	20
Nuts , bolt, sword-bayonet, patt. '87, Mark II	20	20
" screw, grip, sword-bayonet, patt. '88, Mark III	20	20
Screws , grip, sword-bayonet, patt. '88, Mark III	20	20
Springs , spiral, bolt, sword-bayonet, patt. '87	20	20

TABLE 4.—Material for Repair of Scabbards, Sword-bayonet.

Description.	Annual allowance per 1,000. Scabbards, sword bayonet, pattern		
	1888.	1903 and 1888 II.*	1907.
<i>Weedon Section.</i>			
Chapes , scabbard, sword-bayonet :—			
Patt. '88	5	—	—
" '07, Mark II	—	5(a)	5
Laces , iron, scabbard, sword bayonet, short	50	25	50
" " " " long { patt. '03	—	25	—
" " " " { patt. '07, Mark II	—	25	25
Leathers , scabbard, sword-bayonet, finished :—			
Patt. '88, Mark I	10	—	—
" '03	—	10	—
" '07 { Mark I	—	—	10
" { Mark II	—	—	10(b)
Lockets , scabbard, sword-bayonet :—			
Patt. '88 { Mark I	3	—	—
" { Mark II	—	3	—
" '07	—	—	3
Tags , scabbard, sword-bayonet, patt. '03	—	25	—

(a) For pattern 1888 Mark II* 10 chapes will be allowed.

(b) Will be issued for Mark I scabbards when stock of preceding item is used up.

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TABLE 6.—Materials for Repair of Cavalry Swords and Scabbards.

Description.	Annual Allowance per 100.	Remarks.
<i>Weedon Section.</i>		
Ferrules, grip, sword, cavalry, patt. '08 ...	1	
Grips, sword, cavalry:—		
Patt. { '90 pairs	2	Also patt. '82 and patt. '85.
{ '99 "	2	
{ '08 "	2	
Household, long, patt. '92	4	
Nuts, sword, cavalry, patt. '08:—		
Fixing { guard	2	
{ pommel	2	
Washers, rivet, grip, sword, cavalry, patt. '99	12	
Linings, scabbard, sword, cavalry:—		
Patt. { '85 { Mark I	5	Also Household Cavalry, patt. '92.
{ " II	5	
{ '99	5	
{ '08	5	
Loops, scabbard, sword, cavalry:—		
Patt. '85 { back	1	} Also patt. '99.
{ front	1	
Patt. '08 { back	1	
{ front	1	
Mouthpieces, scabbard, sword, cavalry:—		
Patt. '85 { Mark I	1	Also Household Cavalry, patt. '92.
{ " II	1	
Patt. '08	1	
Rings, scabbard, sword, cavalry, household, patt. '92	5	
Screws, mouthpiece, scabbard, sword, cavalry, patt. '85	10	Also Household Cavalry, patt. '92 and patt. '08.
Tips, shoe, scabbard, sword, cavalry ...	10	Not for patt. '08.
Wire, armourers, iron:—		
No. 9 W.G., soft oz.	8	For rivets, grip. Not for Household Cavalry and patt. '08 swords.
No. 12 W.G., soft "	2	For rivets, loop. For all patterns of scabbards except Household Cavalry.

N.B.—Other materials for the repair of Household Cavalry swords and scabbards will be supplied as may be found necessary.

TABLE 7.—Materials for Repair of Lances.

Description.	Annual allowance per 100.	Remarks.	
<i>Weedon Section.</i>			
Dees, lance	5	}	
Lances, flag, lance	15		
Protectors, lance	30		
Slings, lance	10		
Thongs, lance, sling	20		
Wire, copper, lances lbs.	1		
<i>Section No. 9A.</i>			
Methylated spirit, industrial piuts	1½		
<i>Section No. 26.</i>			
Shellac, liver oz.	12		
		For revarnishing lances.	

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TABLE 8.—Material for repair of Rifles, A.T., for '22-inch aiming tube cartridges, and Tubes, aiming, '22-inch.

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NOTE.—To be demanded only when required to replace unserviceable components or appurtenances, and not to be demanded for the purpose of being held by units as a stock.

Description.	Annual allowance for 16 rifles or tubes	Remarks.
<i>Weedon Section.</i>		
RIFLES, AIMING TUBE.		
Extractors :—		
M.L.E.R.S., Mark I, R.F.	1	} According to pattern of rifle in possession.
M.L.M.R. { Mark I*, R.F.	1	
{ Mark II, R.F.	1	
Heads, breech bolt, M.L.M. rifle,		
Mark I*, R.F., No. 2	1	
Pins, firing, R.F. rifle, short	2	
Strikers :—		
M.L.M. rifle, Mark II* R.F., No.2	1	} According to pattern of rifle in possession.
R.F. rifle, short, No. 2	1	
TUBES, AIMING.		
Brushes, cleaning, tubes, aiming	16	
Rods, cleaning, tubes, aiming	1	
Set-nuts, tubes, aiming, M.L.M.	1	
Washers, tubes, aiming, M.L.M.:—		
G.M.	1	
Leather	2	
Packing	4	

TABLE 9.—Materials for Repair of Rifles, Short, .22-inch,
R.F., Mark I.

NOTE.—To be demanded only when required to replace unserviceable components, and not to be demanded for the purpose of being held by units as a stock.

Description.	Annual allowance for 16 rifles.
<i>Weedon Section.</i>	
Bands { lower, R.F. rifle, short	1
{ upper, " " " " " " " "	1
Barrels, with body, R.F. rifle, short	(a)
Blades, foresight, M.L.E. rifle, { 0·985-inch	1 (b)
short, Mark III { 1·0 " " " " " "	1 (b)
{ 1·015 " " " " " "	1 (b)
{ 1·03 " " " " " "	1 (b)
{ 1·045 " " " " " "	1 (b)
Bolts { breech, R.F. rifle, short	1
{ stock, M.L.E., No. 1	1
Caps, nose, R.F. rifle, short	1
Catches { magazine, M.L.M. rifle, Mark I*	1
{ slides, backsight, M.L.E. rifle, short, Mark III	1 (b)
Cocking-pieces, R.F. rifle, short	1
Discs, marking butt, brass	1 (c)
Extractors, R.F. rifle, short	1
Guards { hand, R.F. rifle, short	1 (d)
{ trigger, M.L.E. rifle, Mark I*	1
Heads { breech bolt, R.F. rifle, short, No. 2	1
{ screw, windgauge, M.L.E. rifle, short, Mark III, No. 1 or No. 2	1 (b)
Leaves, backsight, M.L.E. rifle, short, Mark III	1 (b)
Nuts, screw, band, upper, M.L.M. rifle	1
{ axis, backsight, M.L.E. rifle, short, Mark III	1 (b)
" worm, fine adjustment, catch, slide, back-sight, M.L.E., rifle, short, Mark III	1 (b)
Pins { firing, R.F. rifle, short	2
{ fixing, head, screw, windgauge, M.L.E. rifle, short, Mark III, No. 1 or No. 2	1 (b)
{ stop, band, upper, M.L.M. rifle	1

(b) Not to be demanded by units in possession of spare components for rifles, short, M L.E. Mark III, or converted, Mark IV.

(c) Not to be demanded by units in possession of spare components for rifles, short, M.L.E. Mark I, I*, or III, or converted, Mark II.

(d) Not to be demanded by units in possession of spare components for rifles, short, M.L.E. Mark I or I*, or converted, Mark II or II*. Guards, hand, rear, M.L.E.R.S. I to be altered to this pattern.

TABLE 9—continued. Materials for Repair of Rifles, Short, .22-inch, R.F., Mark I.

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Description.	Annual allowance for 16 rifles.
<i>Weedon Section—continued.</i>	
Plates , butt, M.L.M. rifle, Mark I*	1
Protectors , foresight, R.F. rifle, short	1
Rivets , fore-end, M.L.M.	1 (a)
{ band, lower, M.L.M. rifle, Mark I*	1
,, upper, M.L.M. rifle	1
cap, nose, M.L.M. rifle	1
catch, slide, backsight, M.L.E. rifle, short, Mark III	1 (b)
disc, marking butt	1 (c)
Screws { guard, trigger, M.L.M., back	1 (a)
keeper, striker, M.L.M. rifle	1
protector, foresight, M.L.E. C.L. rifle, Mark I*	1
spring, sight, back, M.L.E. rifle, short, Mark III	1 (b)
swivel, trigger guard, M.L.M. rifle	1
windgauge, backsight, M.L.E. rifle, short, Mark III	1 (b)
Slides , backsight, M.L.E. rifle, short, Mark III, No. 1	1 (b)
{ catch, slide, backsight, M.L.E. rifle, short, Mark III	1 (b)
Springs { screw, windgauge, backsight, M.L.E. rifle, short, Mark III	1 (b)
sight, back, M.L.E. rifle, short, Mark III	1 (b)
windgauge, backsight, M.L.E. rifle, short, Mark III	1 (b)
Stocks { butt, M.L.M. rifle, Mark I*	1
fore-end, R.F. rifle, short	1
Strikers , R.F. rifle, short, No. 2	1
Swivels { band, M.L.M. rifle, Mark I*	1
butt, M.L.M. rifle	1
guard, trigger, M.L.M. rifle	1
Washers , guard, hand, or rivet, fore-end, M.L.M.	1 (a)
Windgauges , backsight, M.L.E. rifle, short, Mark III	1 (b)
Worms , fine adjustment, backsight, M.L.E. rifle, short, Mark III	1 (b)

(a) Not to be demanded by units in possession of spare components for rifles, short, M.L.E. converted, Mark II, II* or IV.

(b) Not to be demanded by units in possession of spare components for rifles, short, M.L.E. Mark III, or converted, Mark IV.

(c) Not to be demanded by units in possession of spare components for rifles, short, M.L.E. Mark I, I*, or III, or converted, Mark II.

TABLE 10.—Materials for Repairing and Browning Arms.

Description.	Biennial Allowance.			Remarks.
	800 arms.	600 arms.	500 arms.	
<i>Weedon Section.</i>				
Brushes, hard, armourers ...	3	2	2	
Dust { bone ... lbs.	5	4	3½	
{oilstone ... ozs.	4	3	2	
Stalls, rubber ... { finger...	...	...	...	3 } For every 1,500 or 1 } less, stand of arms.
thumb	...	...	...	
Wire, armourers :—				
Iron, No. 20, W.G., soft ozs.	8	6	5	
Steel, No. 16, W.G., hard ,,	4	3	2	
<i>Section No. 3.</i>				
Spelter, copper... .. ozs.	8	6	5	
Tin, grain lbs.	1	1	¼	For soldering.
<i>Section No. 7.</i>				
Brushes, hair, flat, ½-inch ...	1	1	1	
Card, scratch yards	3	2	1½	
<i>Section No. 9A.</i>				
Borax ozs.	8	6	5	
Cloth, { No. O ... quires	4	3	2½	
{ „ F ... „	4	3	2½	
{ „ 2 ... „	2	1½	1½	
Glue, best town made ... lbs.	4	3	2½	
Methylated spirit, industrial				
pints	½	½	½	
Oil { mineral, burning „	...	...	...	½ for every 100 stand of arms, for cleaning bore of barrels.
{ petroleum, lubricating pints	...	...	...	
Paper, { No. 1½ ... quires	2	1½	1½	
{ „ 2 ... „	½	¼	¼	
{ „ 3 ... „	2	1½	1½	
Potash, ferrocyanide of, com- mercial ozs.	24	18	15	
Powder, emery, flour ... „	24	18	15	Includes 1-oz. for every 100 stand of arms, for cleaning barrels.
Rosin, black ozs.	8	6	5	
Sal-ammoniac, in lumps „	2	1½	1½	or Salamac.
Soda, crystals (a) ... lbs.	144	108	90	For cleaning barrels.

(a) ¼-lbs. to each gallon of water. The quantities shown are the maximum allowance, but no more should be used than is actually required to remove the grease.

TABLE 10—*contd.* Materials for Repairing and Browning Arms.

Description.	Biennial Allowance.			Remarks.
	800 arms.	600 arms.	500 arms.	
<i>Section No. 13c.</i>				
Flannel, white ... yards	...	...	...	1 for every 2,000 stand of arms.
<i>Section No. 26.</i>				
Shellac, liver	...	...	...	3-ozs. per 1,000 arms on charge, for the temporary blacking of sights and parts of arms.
<i>Old Stores.</i>				
Sheeting, old lbs.	24	20	16½	
<i>Not in Vocabulary.</i>				
Mixture, browning	(a)	(a)	(a)	The coal required will be drawn under the Allowance Regulations.
Coal	...	...	...	

(a) Browning mixture is supplied in the proportions detailed in Instructions for the care, repair, and browning, &c., of arms and bayonet scabbards, in the Instructions for Armourers.

Additional quantities allowed when Sword-bayonets, pattern 1903 or 1907, and Scabbards, pattern 1907, are in possession.

Description.	Biennial Allowance.			Remarks.
	800 arms.	600 arms.	500 arms.	
<i>Section No. 7.</i>				
Card, scratch yards	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$	
<i>Section No. 9A.</i>				
Cloth, emery { No. O ... quires	1	$\frac{3}{4}$	$\frac{3}{4}$	
{ No. F " "	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{8}$	
Powder, emery, flour ... ozs.	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	
<i>Section No. 13c.</i>				
Flannel, white yards	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	

TABLE 11.—Materials for Cleaning and Preservation of Arms.

ANNUAL SUPPLY OF OIL, &C., FOR THE CLEANING, OILING, AND PRESERVATION OF ARMS.—PEACE ONLY.

No oil, &c., except that supplied by the A.O.D., will be applied to the arms under any circumstances.

Station.	Oil, petroleum, lubricating, pints per			Composition, preserving arms. Lbs. per 500 arms. <i>b</i>	Beeswax. Lbs. per 500 arms. <i>b</i>
	100 arms (including pistols). <i>a</i>	100 rifles or 200 pistols.			
		For lubricating actions.	For removing rust from barrels.		
Home	72 <i>c</i>	9	1	10 <i>d</i>	—
Gibraltar	75	9	1	10 <i>d</i>	—
Malta					
Egypt					
South Africa	84	9	1	48 <i>e</i>	24 <i>e</i>
Ceylon					
Straits Settlements...	84	9	1	32 <i>f</i>	16 <i>f</i>
Mauritius					
Hong Kong					
Bermuda	108	9	1	32 <i>f</i>	
Jamaica					
West Coast of Africa					

(*a*) Includes the quantities required for filling oil bottles.

(*b*) For application between fore-end and barrel. Composition and beeswax to be mixed before application.

(*c*) This will also be allowed for arms of guards and rifle depôts in constant use.

(*d*) To be applied annually.

(*e*) A portion to be applied quarterly for nine months and then once a month for the remaining three months.

(*f*) A portion to be applied quarterly.

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1909

N.B.—In the case of Royal Artillery, when arms are examined by an armourer, he should be provided with one-eighth of a pint of oil, petroleum, lubricating, for every 18 stand of arms (or less), out of the annual allowance.

TABLE 11—*continued*. Materials for Cleaning Arms.

ANNUAL SUPPLY.—PEACE ONLY.

Sheeting, old	...	...	{ 1½-oz. for each Webley pistol, and 10-lb for use of the armourer.
Flannelette...	...	...	{ 8 yards for each .303-inch rifle in possession of units of Cavalry, Horse and Field Artillery, and Infantry. (a)
			{ 4 yards for each .303-inch rifle in possession of other units. (a)
Wire, brass, No. 26 W.G., hard, 3-inch lengths	...	...	{ 2-oz. per 100 arms, for use with cleaning rods Nos. 2 and 3, and rod, cleaning cylinder, pistol, Webley.
Jute, dressed	...	hanks	{ 1 per 200 arms, for use with cleaning rod, No. 1.

WAR SUPPLY.

NOTE.—This scale is inserted as a guide when making demands. On active service the stores will be issued as local circumstances require.

Oil, petroleum, lubricating			{ 25 pints per regiment of cavalry or battalion of mounted infantry; 48 pints per battalion of infantry, and 5 pints per 100 rifles (b) for other units.
Flannelette...	...	...	{ 35 yards per 100 rifles. (b)
Sheeting, old	...	...	{ 3-lbs. per regiment of cavalry or battalion of infantry.

SCALE FOR ARMS OF PATIENTS ADMITTED TO FIELD HOSPITALS ON MANŒUVRES.

Flannelette	...	...	...	75 yards	} per field hospital.
Pullthroughs	...	...	...	2	
Oil, petroleum, lubricating	...	...	...	9 pints	

PULLTHROUGHS, DOUBLE.

PEACE. (FOR WAR *see* TABLE 2, APPENDIX IV.)

Pullthroughs, double	...	...	...	10	{ per 1,000 arms. To be supplied to and used by armourers only.
" " cords (spare)	...	...	...	10(c)	
" gauze wire (pieces)	...	...	...	20(c)	

(a) These allowances may be increased 50 per cent. at Straits Settlements, Ceylon, Hong Kong, Bermuda, Jamaica, and West Coast of Africa.

At Mauritius, 24 yards may be issued for each rifle in possession of infantry units and 8 yards for each rifle in possession of other units.

(b) Allowance for 2 pistols to be as for 1 rifle.

(c) Annual supply.

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APPENDIX IX.

TABLE 1.—Material for the repair of Bicycles. War only.

Referred to in paragraph 500D.

79
2127
57
Gen. No.
1660

Description.	Number per	
	Cavalry Regiment, M.I.Bn., and Divisional Supply Column.	Infantry Battalion and Cavalry Train.
<i>Section No. 21B.</i>		
Ball-head { nuts, clip, handle-bar ...	2	1
{ screws, clip, handle-bar ...	2	1
Balls, anti- { $\frac{1}{4}$ -inch ... doz.	8	4
friction { $\frac{3}{16}$ -inch ... "	8	4
{ $\frac{1}{2}$ -inch ... "	8	4
Bottom brackets {	cotters ...	5
	cups ...	2
	nuts { cotter ...	5
	{ pin, locking ...	2
	pins, locking ...	2
	screws, chain-wheel ...	5
	washers, cotter ...	5
Brakes, front {	nuts ...	4
	pads ...	10
	springs ...	1
Chains {	bolts ...	5
	couplings ...	3
	links ...	2
	nuts ...	5
Chain adjustment {	adjusters ...	2
	nuts ...	2
Frames {	nuts, seat-lug ...	1
	screws, seat-lug ...	1
	washers, seat-lug ...	1
Free wheels, Mark II ...	3	2
Hubs {	back { nuts, spindle ...	2
	{ washers ...	2
	back, coaster, cages { No. 1 ...	2
	{ No. 2 ...	1

TABLE 1—*contd.* Material for the repair of Bicycles. War only.79
2127

Description.				Number per	
				Cavalry Regiment, M.I.Bn., and Divisional Supply Column.	Infantry Battalion and Cavalry Train.
<i>Section No. 21B—continued.</i>					
Hubs	back, plain	cones	adjustable ...	2	1
			fixed ...	2	1
		spindles ...	2	1	
	front	cones	adjustable ...	2	1
			fixed ...	2	1
		nuts ...	4	2	
		spindles ...	2	1	
		washers ...	4	2	
Lubricators, spring lid, $\frac{3}{16}$-inch ...				4	2
Pedals	caps ...			4	2
	cones ...			4	2
	nuts, locking ...			4	2
	pins	left ...	2	1	
		right ...	2	1	
	rings ...	4	2		
Pumps, bicycle, cups ...				4	2
Tyres, bicycle, tubes, inner ...				4	2
Wheels, bicycle	nipples ...			20	10
	spokes, enamelled ...			20	10
	washers, spoke ...			20	10

A.O. 113
1910**TABLE 2.—Materials for Cleaning, Preservation and Browning of Bicycles.**

ANNUAL SUPPLY. PEACE ONLY.

Referred to in paragraph 500.

Description.	Number or quantity per bicycle.
MATERIALS FOR CLEANING AND PRESERVATION.	
<i>Section No. 9A.</i>	
Oil , petroleum, lubricating pints	1
Tallow lbs.	1
<i>Section No. 21B.</i>	
Brushes , bicycle	1
<i>Not in Vocabulary.</i>	
Linen or cotton , old lbs.	1½
Oil , paraffin (a)... .. quarts	1
MATERIALS FOR BROWNING BICYCLES.	
<i>Section No. 7.</i>	
Card , scratch feet	½
<i>Section No. 9A.</i>	
Cloth , emery, No. 2 quires	½
Oil , petroleum, lubricating pints	½
Soda , crystals lbs.	18 (b)
<i>Section No. 13C.</i>	
Flannel , coarse yards	½
<i>Not in Vocabulary.</i>	
Mixture , browning gills	½

(a) To be drawn from A.S.C.

(b) 12 gallons of water are required to cover a handle-bar in the service browning trough, and 1½-lbs. of soda to each gallon of water will be sufficient for any number of bicycles up to 100.

APPENDIX X.

MATERIAL FOR REPAIR OF ACCOUTREMENTS.

A.O. 211
1910TABLE 1.—Material for repair of Bandolier Equipment,
Pattern 1903, &c.

PEACE ONLY.

Referred to in paragraph 507 (i.).

Description.	Annual supply per 100.											
	Bandolier equipment, pattern 1903.											
	Bandoliers.				Belts, waist.	Carriers, greatcoat.	Covers, mess-tin, D.S.	Pockets, cartridge, 15 rounds.		Straps, greatcoat.	Carriers, water-bottle, with shoulder strap.	Haversacks, G.S.
	50 rounds.		90 rounds.					Mark				
	Mark											
	I.	II.										
I.			II.									
Section No. 1A.												
Billets, brown :—												
1½-inch × 1½-inch ...	...	...	...	...	1	...	...	...	...	...	...	...
5½ " × 1½ " ...	...	...	...	1	...	...	...	...	...	...	...	...
3½ " × 1 " ...	...	...	...	...	...	...	...	...	2	...	...	...
Buckles, brass :—												
Bandolier { 90 rounds ...	...	...	...	4	...	...	...	...	...	...	...	...
50 " ...	...	...	4	...	...	...	...	...	...	...	...	...
1½-inch ...	...	...	5	5	...	5	...	...	...	...	...	...
Mess-tin strap ...	...	...	...	...	...	...	...	...	...	...	4a	...
Strap, greatcoat ...	...	...	...	...	...	...	...	...	...	3	...	...
" shoulder, water-bottle ...	...	...	...	...	...	...	...	...	...	...	4b	...
Waistbelt ...	...	...	...	...	...	3	...	...	...	...	...	...
Buttons, horn, covers, mess-tin, D.S. ...	...	...	...	...	...	...	10	...	...	...	...	...
Canvas, drab, 24-inch... yards	...	...	...	...	...	...	1½	...	...	...	...	3
Clips, brass, carrier, greatcoat ...	...	...	...	...	...	8	...	...	...	...	...	...
Hooks, brass, carrier, greatcoat :—												
Long bar ...	...	...	...	...	...	8	...	...	...	...	...	...
Short bar ...	...	...	...	...	...	4	...	...	...	...	...	...
Loops, brass :—												
1½-inch ...	...	...	...	...	...	...	...	3	...	...	...	...
1½ " × 1½-inch ...	...	...	...	...	...	...	...	...	3	...	...	...
1 " ...	...	...	...	...	...	2	...	...	...	...	...	...
1½ " ...	...	...	...	...	...	...	...	...	...	...	2a	...
1 " ...	...	...	...	...	...	...	...	...	...	...	2b	...
Loops, haversack ...	...	...	...	...	...	...	...	...	...	...	...	2

(a) For converted carriers.

(b) For Mark II carriers.

A.O. 211
1910TABLE 1—*continued.* Material for Repair of Bandolier Equipment,
Pattern 1903, &c.

Description.	Annual supply per 100.													
	Bandolier equipment, pattern 1903.												Carriers, water-bottle, with shoulder strap.	Haversacks, G.S.
	Bandoliers.				Belts, waist.	Carriers, greatcoat.	Covers, mess-tin, D.S.	Pockets, cartridge, 15 rounds.		Straps, greatcoat.				
	50 rounds.		90 rounds.					Mark						
	Mark		Mark											
	I.	II.		I.					II.					
I.											II.			
Section No. 1A—continued.														
Loops, leather, brown:—														
1½-inch × ¾-inch	...	...	...	...	...	...	...	4	...	...	...	...	...	...
1½-inch × 5⁄8-inch	...	...	...	...	...	...	5	...	...	...	...	...	...	...
1½-inch × 4⁄8-inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Loops, leather, buff, 1½-inch × ¾-inch	...	...	...	...	...	...	...	4a	...	...	...	...	...	...
Rings, brass:—														
Carrier, water-bottle...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Cover, mess-tin, D.S.	...	...	...	...	...	...	...	3	...	...	...	...	...	...
Rivets, copper, tinned, 3⁄8-inch × 11 S.W.G.	...	...	...	...	...	...	...	...	...	5	6	...	10	...
Slides, brass, carrier, great coat:—														
2-inch	...	...	...	...	...	...	...	4	...	...	...	...	...	2
1 "	...	...	...	...	...	...	...	2	...	...	...	...	...	...
Straps, leather, brown:—														
Guard, ¾-inch × 1½-inch × 6-inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Steadying, ¾-inch × 1½-inch	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Studs, brass:—														
Bandoliers, 90 and 50 rounds	...	...	...	...	...	...	...	...	...	4	4	...	...	...
Haversack	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Steadying strap, bandolier, 50 rounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Thread, flax, drab, No. 35 ozs.	...	...	...	...	...	...	...	1	1	...	...	...	...	1
Triangles, brass	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Web, cotton, drab:—														
13-inch × 2-inch pieces	...	...	...	...	...	...	...	...	...	...	...	...	6	...
2 " "	...	...	...	...	...	...	...	20	...	...	...	...	...	7
1 " "	...	...	...	...	...	...	...	2	2	...	...	...	...	...

(a) For covers fitted with buff loops.

TABLE 2.—Materials for the repair of Water-bottles.

A.O. 211
1911

PEACE ONLY.

Referred to in paragraph 507 (ii.).

Description.	Annual supply per 100 water-bottles.
<i>Section No. 1A.</i>	
Covers , water-bottle, enamelled, Marks V and VI ...	10
Stoppers , cork { Mark V or Mark VI water-bottle... ..	5
cords	5

APPENDIX XI.

Referred to in paragraph 516.

MATERIALS FOR REPAIR OF HARNESS AND SADDLERY.

1. In calculating for establishments beyond those given, the higher numbers should be used, and columns added together, as far as possible. For example :—

$$20 \text{ sets} = 40 \div 2 \text{ not } 4 \times 5.$$

$$49 \text{ „} = 40 + 8 \text{ „ } 10 \times 5.$$

A variation of two sets may be disregarded.

2. Infantry battalions will draw the proportions allowed for 5 sets of harness ; this will cover their requirements for universal saddlery.

(EQ. R. 10070)

TABLE 1.—Materials for repair of Harness and Saddlery. Peace only.
Additional issues will be made to regiments of Household Cavalry as detailed in Part 2, Section II.

Description.	12 Months' Supply.												Remarks.
	Saddlery, 3 sets.			Harness. Single sets.			Saddlery, Universal. Sets.						
	5	8	25	40	6	15	40	100					
Articles common to all Patterns.													
Section No. 3.													
Spelter, copper	—	1	1	3	5	1	2	5	12				
Wire, ordinary, copper, No. 7, S.W.G.	—	—	1	2	4	—	2	4	8				
(hard)	—	—	—	—	—	—	—	—	—				
Section No. 5A.													
Saddletrees { flaps, drivers	—	—	1	2	3	—	—	—	—				
{ seats, drivers	—	—	1	2	3	—	—	—	—				
Section No. 6A.													
Blankets, saddle, cuttings...	—	1	3	2	3A	1	1A	3A	8				

Buckles	brass	inlet, $\frac{5}{8}$ -inch	roller { double, $\frac{3}{4}$ -inch single, $\frac{1}{2}$ -inch	black, japanned, roller, single, 1 $\frac{3}{8}$ -inch	barred, 1 $\frac{1}{2}$ -inch, curved	roller { double, $\frac{1}{2}$ -inch single, $\frac{1}{4}$ -inch	Buckles, nickel, single, 1-inch, barred	bridle ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
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1910

Description.	12 Months' Supply.							Remarks.
	Saddlery, O.M. cern. 5 sets.			Harness, Single sets.		Saddlery, Universal. Sets.		
	5	8	25	40	6	15	40	
Articles common to all Patterns—continued.								
<i>Section No. 6a—continued.</i>								
Hooks, curb, portmouth bit, reversible ...	1	1	5	8	1	2	9	20
Links, brass, 1½-inch × ½-inch ...	—	—	—	—	1	1	2	5
Plates { brass ...	—	1	2	8	1	3	8	20
" V-attachment	—	1	3	4	1	2	4	10
Rings, iron, japanned, 1½-inch ...	—	—	1	2	—	1	2	3
" { brass ...	—	15	20	65	100	40	100	250
" { copper, { ½-inch No. 6 S.W.G.	—	4	4	10	15	—	—	—
" { tinned, { ⅝ " " 9 "	—	—	—	—	—	2	6	15
" { with { ⅝ " " 6 "	—	3	9	12	3	6	12	30
" { washers { ½ " " 6 "	—	3	4	14	20	8	20	50
Saddletrees { attachments, V-girth pairs	—	—	1	2	3	1	3	8
" { flaps, universal, patt. '02 "	—	—	—	—	—	1	2	4
" { seats, steel arch, patt. '02 "	—	—	1	1	4	1	1	4
Squares { iron ...	—	—	1	1	1	1	1	2
" { iron, barred, black japanned	—	—	—	—	—	—	—	—
" { iron, black japanned, 1½-inch × 1½-inch	—	1	1	1	—	—	1	2

Straps { girth, V-attachment releasable ...	...	2	4	12	18	3	7	18	45	
Studs , head collar attachment ...	...	1	1	3	5	1	3	7	16	For Marks III and IV head collars.
Thread , flax, fine ...	lbs.	$\frac{1}{2}$	$\frac{3}{4}$	2 $\frac{1}{2}$	4	$\frac{1}{2}$	$\frac{3}{4}$	2	5	
Web , hemp { 3-inch ...	yards	2	3	8	13	2	5	13	32	
{ 2 " ...	"	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	2	4 $\frac{1}{2}$	For horse brushes.
<i>Section No. 8A.</i>										
Twine { quilting ...	oz.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	
{ sail ...	"	1	1	2	4	1	2	4	8	For head ropes, parade and stable.
<i>Section No. 9A.</i>										
Beeswax ...	oz.	1	1	2	4	1	2	4	8	
Borax ...	"	1	1	3	5	1	2	5	12	
Glue , best town made ...	"	2	2	4	8	2	4	8	16	
Ink , marking ...	pints	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	1	
Wax , black ...	lbs.	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	4	
<i>Section No. 10A.</i>										
Nails , steel, clout, flathead, fine, No. 90 oz.	oz.	1	2	3	6	—	—	—	—	
Screws , iron, { $\frac{1}{2}$ -inch, Gauge No. 10 ...	...	2	2	3	5	2	2	5	12	
flathead { $\frac{3}{8}$ " ...	8	3	4	12	20	3	8	20	60	
Tacks , steel, cut, No. 197 ...	oz.	3	4	9	20	3	8	20	48	

(a) $\frac{1}{2}$ oz. per pair stuffed pannels in use.

A.O. 20
1910

Articles common to all Patterns—continued.

	—	ins.	—	3	6	3	3	10	25	For nosebags.
Canvas, sail, No. 3 ...	...	...	...	2	4	7	2	3	16	
Worsted, grey ...	...	oz.	...	3	3	10	3	10	3	

Not in Vocabulary.

Old Stores.

Linen { or cotton, old (for cleaning) lbs.
old (for nosebags)... .. "

3	3	6	10	3	3	10	25
2	2	4	7	2	3	7	16
—	—						

2 $\frac{1}{2}$	4	12 $\frac{1}{2}$	20	1 $\frac{1}{2}$	3 $\frac{1}{2}$	10	25
$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$	2	$\frac{1}{2}$	1 $\frac{1}{2}$	2	5
—	—						

A.O. 20
1910TABLE 1—*continued*. Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.										Remarks.
	Saddlery, O. M. cert. 5 sets.	Harness, Single sets.				Saddlery, Universal. Sets.					
		5	8	25	40	6	15	40	100		
Articles special to Harness, Shaft, Draught.											
Section No. 5A.											
Saddletrees { flaps, luggage ... pairs	—	—	1	2	3	—	—	—	—	—	
	—	—	—	1	2	—	—	—	—	—	
seats " ...	—	—	—	—	—	—	—	—	—	—	
Section No. 6B.											
Buckles, iron, { 2½-inch, bow leg ...	—	—	1	1	2	—	—	—	—	—	For 2½-inch backbands and tugs.
	—	—	1	1	2	—	—	—	—	—	
	—	—	1	1	2	—	—	—	—	—	
	roller, single { 1½ " bow leg ...	—	—	1	1	2	—	—	—	—	
1½ " straight leg ...	—	—	1	1	2	—	—	—	—		

Articles special to Harness, Army Service Corps, converted.

Section No. 6a.

Buckles	iron, roller, { 1½-inch, bow leg single { 1-inch, short leg	—	1	2	5	8	—	—	—	Neck collars and breast straps.
	nickel, roller, double, 1-inch ...	—	1	2	5	8	—	—	—	
	nickel, roller, single { 1½-inch ¾ "	—	—	—	2	4	—	—	—	
	nickel, { 1½-inch single { 1½ "	—	—	1	4	6	—	—	—	
Dees, nickel, 1½-inch	...	—	—	—	1	1	2	—	—	Front of trace.
	Links { bent, releasable nickel, 1½-inch	—	—	1	2	3	—	—	—	
Links, with swivel ...	...	—	—	—	1	1	2	—	—	
	...	—	1	1	1	2	—	—	—	
Loops, crupper, double, nickel	...	—	—	—	1	2	—	—	—	
	Rings, nickel { 1½-inch 1½ "	—	—	—	1	2	—	—	—	
Screws, pad, iron ...	...	—	—	—	1	2	—	—	—	
	Squares { nickel ... trace and breeching - iron, 1½-inch	—	—	1	1	2	—	—	—	
Section No. 8a.										
Cordage, trace, 1½-inch	...	—	4	5	12	24	—	—	—	This allowance may be in- creased by one-fourth in case of R.E. and A.S.C. units.
	fms.	...	—	—	—	—	—	—	—	

8

Equip.

383

54

Cavalry

1073

54

Engrs.

1238

TABLE 1—*continued*. Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.										Remarks.
	Saddlery, Officers' sets.			Harness, single sets.			Saddlery, Universal. Sets.				
	5	8	25	40	6	15	40	100			
Articles special to Harness, Pole draught, G.S.											
Section No. 6a.											
Attachments, releasable { neck piece trace, rope, long	...	—	—	1	—	—	—	—	—	—	For units equipped with long rope traces. For units equipped with long wire traces.
	...	—	—	1	—	—	—	—	—	—	
	...	—	—	2	—	—	—	—	—	—	
Buckles { brass, bent heel { 1½-inch nickel, single, 1 inch ... steel, 2-inch x 2-inch ...	...	—	—	1	—	—	—	—	—	—	Breast collar. For units equipped with short rope traces. For units equipped with short wire traces.
	...	—	—	1	—	—	—	—	—	—	
	...	—	—	1	—	—	—	—	—	—	
	...	—	—	1	—	—	—	—	—	—	
	...	—	—	2	—	—	—	—	—	—	
Hooks, trace { rope, short ... wire " ...	...	—	—	1	—	—	—	—	—	—	
	...	—	—	1	—	—	—	—	—	—	

TABLE 1—continued. Materials for Repair of Harness and Saddlery. Peace only.

Description.	12 Months' Supply.								Remarks.	
	Saddlery, OM certs. 6 sets.	Harness. Single sets.				Saddlery, Universal. Sets.				
		5	8	25	40	6	15	40		100
Miscellaneous.										
Section No. 6B.										
Basils, brown, unstrained ...	—	—	—	—	—	—	—	—	1 per 2 neck collars in use.	
{ bent heel, 1-inch ...	—	—	—	—	—	—	—	—	10 per cent. for cavalry rifle buckets on charge.	
Buckles	—	—	—	—	—	1	2	4	Infantry rifle buckets.	
{ brass, roller, single, 1-inch	—	—	—	—	—	1	2	6	} For Lancer regiments.	
{ iron, roller, single { $\frac{3}{4}$ -inch ...	—	—	—	—	—	2	2	4		
{ 1-inch $\times \frac{1}{2}$ -inch ...	—	—	—	—	—	—	—	—	5 per cent. for cavalry rifle buckets on charge.	
Dees, brass, { 1 " stout	—	—	—	—	—	—	—	—	10 per cent. for infantry rifle buckets on charge.	
Pipes, trace, strips, short ...	—	—	—	—	—	—	—	—	20 per cent. for P.D., G.S. traces, rope, long, Mark II.	
Rings, iron, 1 $\frac{1}{4}$ -inch, stout ...	—	—	—	—	—	—	—	—	1 per 25 pairs saddlery traces in use.	
Steel-pieces... ..	—	—	—	—	—	—	—	—	20 per cent. for cavalry rifle buckets on charge.	
Studs, frog, sword, saddle ...	—	—	—	—	—	—	—	—	12 per cent. of frogs on charge.	
Thread { black, 3-cord ...	—	—	—	—	—	—	—	—	1 oz. per 5 pairs hair pannels and $\frac{1}{2}$ -oz. per 5 lambskins.	
{ whitened brown ...	—	—	—	—	—	—	—	—		
Section No. 9A.										
Ink, stamping, woollens ...	—	—	—	—	—	—	—	—	$\frac{1}{2}$ pint per 150 blankets.	
(a) Except Household Cavalry.										
(b) 1st Life Guards and Royal Horse Guards only.										

1 per 2 neck collars in use.
 10 per cent. for cavalry rifle buckets on charge.
 Infantry rifle buckets.
 } For Lancer regiments.
 5 per cent. for cavalry rifle buckets on charge.
 10 per cent. for infantry rifle buckets on charge.
 20 per cent. for P.D., G.S. traces, rope, long, Mark II.
 1 per 25 pairs saddlery traces in use.
 20 per cent. for cavalry rifle buckets on charge.
 12 per cent. of frogs on charge.
 1 oz. per 5 pairs hair pannels and $\frac{1}{4}$ -oz. per 5 lambskins.
 $\frac{1}{4}$ pint per 150 blankets.

(a) Except Household Cavalry.

(b) 1st Life Guards and Royal Horse Guards only.

TABLE 2.—Additional Articles allowed for the Repair of Yeomanry Saddlery (Peace only).

Description.	12 Months' Supply.		
	Yeomanry Saddlery, sets.		
	15	40	100
<i>Section No. 6B.</i>			
Buckles , brass roller, double, (a) { 1-inch	1	2	4
	2	5	12
Dees , brass { 1½-inch	2	5	12
	1	4	8
Flock (b) lbs.	2	4	8
Loops , with eyes	1	4	10
Serge , saddlers (b) yards	2	5	12
Thread , flax, yellow... .. ozs.	4	12	20
<i>Not in Vocabulary.</i>			
Nails , brass, 1½-inch (c)	5	10	20
Tacks , copper, ¼-inch ozs.	1	2	4
<i>Section No. 9A.</i>			
Beeswax ozs.	1	3	8

(a) Not required when collars, head, with reversible bit are used.

(b) Not allowed for modified saddles having felt pannels, nor universal saddles.

(c) For use also as 1½-inch by cutting off ½-inch.

TABLE 3—continued. Material for Repair of Harness and Saddlery. (War only.)

Description.	Cavalry Squadron.	Mounted Infantry Company.	R.F.A. Brigade Ammunition Column (Guns and Howitzer) and Section of a Divisional Ammunition Column.	Mounted Brigade Ammunition Column.	Mounted Column and Section of R.H.A. Brigade Ammunition Column.	Heavy Artillery Battery Ammunition Column.	Royal Engineers.						Infantry Battalion.	Section of Field or Cavalry Field Ambulance.	A.S.C. units.	
							Field Troop; Signal Squadron, Wire-less and Cable Signal Company.	Air Line Signal Company.	Divisional Signal Company.	Field Company.	Bridging Train.	50 double sets Harness.			100 sets Saddlery.	
Section No. 8A.																
Twine, quilting	2	2	8	8	8	8	4 (a)	—	—	4 (a)	—	4	4	4	4	—
Section No. 9A.																
Beeswax	1	1	4	2	2	1	1	1	1	1	2	1	1	2	2	5
Wax, black	5	5	5	4	4	5	1	2	1	1	1	2	4	2	7	5
Section No. 10A.																
Tacks, steel, cut, No. 197	1	1	2	2	2	2	1	1	1	1	1	2	1	2	2	2
Section No. 13C.																
Canvas, sail, No. 3	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)

(a) Field Troops and Field Companies only. (b) 60 inches per 100 nosebags.

TABLE 4.—Materials for Preservation of Harness, Saddlery, and Packsaddlery.

Description.	Peace (12 months' supply).						War.		
	Harness (per single set).			Pack- saddlery (per set).	Saddlery (per set).	Harness (per double set).	Pack- saddlery (per set).	Saddlery (per set).	
	P.D., G.S., Shaft Draught, and G.S. Mule, breast.	Mule, breast.							
		A.S.C.	Home. Abroad.						
<i>Section No. 9A.</i>									
Dubbing ... lbs.	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{2}$	1	$\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	$\frac{1}{2}$ — — —	$\frac{1}{6}$ — — —	$\frac{1}{6}$ — — —	
Oil, sperm... pints	24	34	4	$\frac{1}{4}$	— — — —	— — — —	— — — —	— — — —	
Soap { soft (b) ... lbs.	6	64	6	6	— — — —	— — — —	— — — —	— — — —	
yellow ... bars	24 (c)	34	2	1	24	— — — —	— — — —	— — — —	

(a) 1 pint per set for M.M.P.

(b) Half a bar of yellow soap may be drawn in lieu of 1-lb. soft soap, but such an exchange not to exceed half the allowance.

Soft soap must not be drawn in lieu of yellow soap, as the excessive use of the former is detrimental to the leather.

(c) 34 bars per set for R.F.A. Training Brigades.

N.B.—The above quantities may be increased 10th for Colonial stations, if found necessary, by order of the General Officer Commanding, except for mule harness, which has a special allowance.

54

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TABLE 5.

Material for Repair

Description.		Peace—12						
		Saddle-						
		Officers.	Drivers.				Items.	
5	5	18	25	40				
Section No. 3.								
Wire, ordinary, iron, No. 7 S.W.G. (soft, for rivets) lbs.		‡	—	‡	‡	‡	1	
Section No. 6B.								
Saddletrees	arches, iron, or steel { front ...	—	—	1	1	2	2	
	{ hind ...	—	—	1	1	2	3	
	bars, side, shaped { near ...	—	—	1	1	2	4	
	{ off ...	—	—	1	1	2	5	
	cantles	1	—	—	—	—	6	
	links	—	1	—	—	—	7	
	plates { for links ...	—	—	—	—	—	8	
		gullet, steel ...	1	—	—	—	—	9
		top, brass ...	1	—	—	—	—	10
		with dees, luggage ...	—	—	—	—	—	11
	„ squares, drivers ...	—	—	2	4	6	12	
	„ stirrup link and	—	—	—	—	—	13	
	brass roller ...	—	—	1	1	4	18	
	rivets { copper { long ...	4	—	—	—	—	14	
		{ short ...	9	—	—	—	—	15
	iron, 2-inch	—	3	8	15	24	16	
	squares, iron	—	2	2	4	6	17	
	staples { flank drivers and luggage	—	1	2	3	5	18	
		girth	—	—	—	—	—	19
	wallet, N.P.	1	—	—	—	—	20	
troughs, backband	—	—	—	—	—	21		
washers, brass	2	—	—	—	—	22		
Section No. 7.								
Pencils, carpenters		—	—	1	1	1	23	
Section No. 9A.								
Oil, linseed, raw pints		—	—	‡	‡	‡	24	
Paper, glass, No. 2 sheets		—	—	1	1	2	25	
Varnish { Japan, black pints	—	—	‡	‡	‡	‡	26	
	shellac „	‡	—	‡	‡	‡	27	
Section No. 10A.								
Screws, brass, flat head, ½-inch, gauge No. 6		8	—	—	—	—	28	

of Saddletrees.

Months' Supply.

trees.

Item.	Luggage.			Universal.				Remarks.
	5	13	25	6	15	40	100	
1	—	$\frac{1}{4}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
2	—	1	1	—	1	2	3	
3	—	1	1	—	1	1	2	
4	—	1	2	—	1	3	6	
5	—	1	2	—	1	3	6	
6	—	—	—	—	—	—	—	
7	—	—	—	1	2	4	10	
8	—	—	—	—	2	6	12	
9	—	—	—	—	—	—	—	
10	—	—	—	—	—	—	—	
11	1	3	5	—	—	—	—	
12	—	—	—	—	—	—	—	
13	—	—	—	—	1	4	8	
14	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	—	
16	3	8	15	3	9	24	60	
17	—	—	—	—	—	—	—	
18	1	2	3	—	—	—	—	
19	—	1	1	—	—	—	—	
20	—	—	—	—	—	—	—	
21	—	1	1	—	—	—	—	
22	—	—	—	—	—	—	—	
23	—	—	1	—	1	1	1	
24	—	—	—	—	$\frac{1}{8}$	$\frac{1}{4}$	$\frac{1}{2}$	
25	—	—	1	—	1	2	4	
26	—	$\frac{1}{8}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
27	—	$\frac{1}{8}$	$\frac{1}{4}$	—	$\frac{1}{4}$	$\frac{1}{2}$	1	
28	—	—	—	—	—	—	—	

TABLE 6.—Materials for Repair of Packsaddlery.

Description.	Peace. — 12 Months' Supply.			War. Packsaddlery Sets.	Remarks.		
	Packsaddlery Sets.						
	2	10	50	100			
Section No. 3.							
Wire, ordinary, copper, No. 19 S.W.G. lbs.	—	$\frac{1}{2}$	$\frac{1}{2}$	—			
Section No. 5A.							
Buckles, strap, 1-inch	1	1	3	1			
Section No. 5B.							
Packsaddlery, G.S. :—							
Trees, Mark IV, large	{ arches, steel	{ front		—	} Also for Mark III trees		
		{ hind					
		{ near	{ upper				
			{ lower				
Trees, Mark IV, small	{ bars, side, shaped	{ off	{ upper	—			
			{ lower				
		{ arches, steel	{ front				
			{ hind				
Trees, adjustable	{ bars, side, shaped	{ near	{ upper	—			
			{ lower				
		{ arches, steel	{ front				
			{ hind				
Trees, adjustable	{ bars, side, shaped	{ near	{ upper	—			
			{ lower				
		{ arches, steel	{ front				
			{ hind				
Section No. 6B.							
Basils, brown, unstrained	—	$\frac{1}{2}$	1	—			
Buckles, iron :—							
Black	{	{ 1 $\frac{3}{4}$ -inch bow leg		—			
japanned,		{ 1 $\frac{1}{4}$ " " "					
roller, single		{ 1 " " "					

TABLE 6—continued. Materials for Repair of Packsaddlery.

Description.	Peace. — 12 Months' Supply.			War.	Remarks.		
	Packsaddlery Sets.			Packsaddlery Sets.			
	2	10	50	100			
Section No. 6B—continued.							
Buckles, iron—							
Tinned roller	double	1½-inch	—	1	1	—	
		1 " "	—	1	1	—	
		¾ " "	—	1	1	3	—
		3 " "	—	1	1	2	—
	single	1½ " "	—	1	1	3	—
		1½ " bow leg	—	1	1	3	—
		1½ " "	—	1	1	1	—
		1 " "	—	1	2	—	—
	¾ " "	—	1	2	—	—	
Chains, iron, tinned, with dee							
Cloth, collar, white, 27 inches wide							
		yards	1	2½	12	1	
Felt, brown, 43 inches wide							
		in.	—	3	15	10	
Hair, horse, saddlery							
		lbs.	½	2	8	3	
Hides, brown							
	backs, collar		—	½	2	½	
	cloak		—	⅙	¼	¼	
	shoulder		—	—	¼	—	
Rings, iron							
	1½-inch, slight		—	1	2	—	
	1½ " "		—	1	2	—	
Rivets, copper, tinned, ½-inch, No. 6 S.W.G.							
			2	10	50	20	
Squares, iron, tinned							
			—	1	2	—	
Stops, iron, tinned							
			1	1	2	2	
Studs, head collar attachment							
			1	1	5	—	
Thread							
	flax, fine	lbs.	¼	½	2	½	
	whited brown	" "	⅙	¼	1	¼	
Web, hemp							
	3½-inch	yards	—	3½	18	—	
	2 " "	" "	½	2½	12½	—	
	1½ " , thin	" "	⅜	4	20½	—	
Washers, No. 6 S.W.G.							
			2	10	50	20	
Section No. 8A.							
Twine, quilting							
		lbs.	⅙	¼	1	¼	

Half these quantities if 60-inch cloth is issued.

TABLE 6—continued. Materials for Repair of Packsaddlery.

Description.	Peace. — 12 Months' Supply.			War.	Remarks.
	Packsaddlery Sets.			Packsaddlery Sets.	
	2	10	50	100	
<i>Section No. 9A.</i>					
Beeswax ozs.	1	2	8	2	
Glue , best towu made ... lbs.	—	$\frac{1}{2}$	2	—	
Ink , marking... .. pints	—	$\frac{1}{8}$	$\frac{1}{2}$	—	
Wax , black ozs.	1	2	8	8	
<i>Section No. 10A.</i>					
Rivets , steel, countersunk head, $\frac{1}{4}$ -inch $\times$ $1\frac{1}{2}$ -inch	3	8	20	—	
<i>Section No. 13C.</i>					
Canvas , sail, No. 3 in.	—	$2\frac{1}{2}$	$12\frac{1}{2}$	—	For nosebags.
Dowlas , 27-inch, tan ... yards	1	$2\frac{1}{2}$	12	1	
<i>Not in Vocabulary.</i>					
Linen { or cotton, old (for cleaning), lbs.	$\frac{1}{2}$	$2\frac{1}{2}$	$12\frac{1}{2}$	—	
{ old (for nosebags and corn { sacks) „	—	$\frac{1}{2}$	$2\frac{1}{2}$	—	

**TABLE 7.—Material for Repair and Preservation of
Equitation Articles.**

Description.	Peace only. 12 months' supply.
<i>Section No. 5A.</i>	
Sponges , 7 drachms	1
<i>Section No. 6B.</i>	
Cord , whip ozs.	3
<i>Section No. 9A.</i>	
Oil , sperm pints	1
Soap , soft (a) lbs.	3
<i>Not in Vocabulary.</i>	
Linen or cotton, old lbs.	$\frac{1}{2}$

per 50 horses
or
under.

(a) See note "b" on page 231.

N.B.—No other materials than those given in this table are considered necessary, the materials supplied for repairing the harness and saddlery generally being sufficient for casual repairs to the equitation articles.

To preserve the full strength, and to prevent hardness of the leather parts of the articles, great care should be taken to soap them before putting them away after use, as storing the straps and reins without such care after being wetted by sweat or rain, rapidly deteriorates them.

APPENDIX XII.

DETAILS OF SETS OF HARNESS, SADDLERY, AND PACKSADDLERY.

TABLE 1.—Saddlery, Officers.

Referred to in paragraph 275.

The Mark III saddle will be issued to officers of R.A., R.E., A.S.C., Infantry, and Mounted Infantry until stock is exhausted.

Description.	No. per set.	Remarks.
<i>Section No. 2A.</i>		
Ropes , head, cotton, with leather billet	1	Peace only ; for camp and war the G.S. pattern will be issued as part of camp equipment.
<i>Section No. 6A.</i>		
SADDLERY, OFFICERS.		
Bits , bridoon, with reins...	1	5 per cent. may be issued.
Bits , portmouth, reversible :— Heads, bridle	1	
Cases , horse- { near { Mark II	1 (b)	
shoe { off { Mark III... ..	1 (c)	
{ off { Mark I	1 (b)	
{ Mark II	1 (c)	
Collars , head	1	
Cruppers	—	
Girths , web { Mark II	2 (b)	
{ Mark III pairs	1 (c)	
Leathers , stirrup	2	
Reins , portmouth bit	1	
Saddles	1	

(b) Except for Mark IV saddle.

(c) For use with Mark IV saddle only.

TABLE 1—continued. Saddlery, Officers.

Description.	No. per set.	Remarks.
<i>Section No. 6A—continued.</i>		
SADDLERY, OFFICERS.		
Skins {	lamb	1 (a) For Dragoon Guards, Dragoons, Lancers, 14th Hussars, R.A. (except Garrison and Mountain Artillery), R.E., Rifles, and A.S.C. | A.O. 115 1909
	leopard	1 (a) For Hussar Regiments, except 14th.
Straps {	cloak { and wallet ...	2
	{ centre ...	1
	extending picket peg strap	1
Surcingles, leather	1	Except R.A., R.E., and M.I. | A.O. 20. 1910
Wallets, Mark IV ... pairs	1	
SADDLERY, UNIVERSAL.		
Bits, portmouth, reversible ...	1	
Blankets, saddle...	1 (b)	
Numnahs, Mark VI	1	
Pannels, numnah ... pairs	1 (b)	
Protectors, cape or cloak ...	1 (a)	
Stirrups	2	
Straps {	baggage	3
	sword, picket peg ...	1
		Except R.A., R.E., and M.I. | A.O. 290 1909

(a) Peace only.

(b) Except for Mark IV saddle.

TABLE 2.—Saddlery, Household Cavalry.

Description.		No. per set.	Remarks.
<i>Section No. 6A.</i>			
SADDLERY, HOUSEHOLD CAVALRY.			
54 Cavalry 1079	Bits { bridoon, with head and reins ... portmouth ...	1(a) 1(a)	10 per cent. "high port" bits may be drawn if required.
	Breastplates ...	1	Not required with those sets having breastpieces.
	Chains, collar ...	1(a)	
	Cheek-pieces ...	2	
	Collars, head, parade ...	1(a)	
	Cruppers ...	1	
	Frogs, sword, saddle ...	1	
	Girths, web ...	1	
54 Gen. No. 684	Head-pieces ...	1	
	Numnahs ...	—	10 per cent., peace only, until stock is exhausted.
54 Cavalry 1079	Ornaments, stirrup leather ...	2	
	Reins, portmouth bit ...	1(a)	
	Skins { lamb, white ... sheep, black ...	1(a) 1(a)	2nd Life Guards. 1st Life Guards and Royal Horse Guards.
A.O. 211 1910	Straps { frog, securing sword ... shoe case ...	1 1	
SADDLERY, UNIVERSAL.			
54 Cavalry 1079	Bits, portmouth, reversible ...	1(b)	
	Blankets, saddle ...	1	
	Breastpieces ...	—	4 per squadron.
	Buckets { lance ... ride, cavalry ...	— —	2 per exercise lance. 1 per N.C.O. and man armed with a rifle.
	Cases, horseshoe, saddlery, pattern '84 ...	1	
	Collars, head ...	1(b)	
	Girths, cord ...	—	10 per cent.
	Leathers, stirrup ...	2	
	Martingales, breastplate ...	—	5 per cent. Peace only.

(a) Peace only.

(b) War only.

TABLE 2—continued. Saddlery, Household Cavalry.

Description.	No. per set.	Remarks.
<i>Section No. 6A—contd.</i>		
SADDLERY, UNIVERSAL.		
Pannels , numnah ... pairs	1	
Protectors , cape or cloak ...	1(a)	
Reins , bit ...	2(b)	54 Cavalry
Saddles , steel arch ...	1	1079
Stirrups ...	2	
baggage ...	3	
bit attachment ...	2(b)	54 Cavalry
cloak and wallet, pattern '84 ...	2(a)	1079
cloak, centre, pattern '84 ...	1(a)	
Straps { lance bucket ...	—	1 per lance bucket.
supporting { front ...	—	2 per breastpiece.
rear ...	—	1 per pair of saddlery traces.
sword, picket peg ...	1	
trace ...	—	2 per pair of saddlery traces.
Surcingles , leather ...	1	
Traces , saddlery ... pairs	—	1 per breastpiece.
Tugs , trace ...	—	2 per pair of saddlery traces.
Wallets , steel arch saddles pairs	1(a)	

(a) Peace only.

b) War only.

TABLE 3.—Saddlery, Universal.

Description.		No. per set.	Remarks.
<i>Section No. 2A.</i>			
Ropes , head, hemp, with ring		1	Peace only. Issued as part of camp equipment for war.
<i>Section No. 6A.</i>			
SADDLERY, UNIVERSAL.			
8 Equipt. 303	Bits , portmouth, revers- ible (a)	1	
	Heads , bridle	—	1 per Mark III head collar, until stock is exhausted.
	Blankets , saddle	1	
A.O. 20 1910	Breastpieces	—	Cavalry 4 per squadron. Horse and Field Artillery batteries and Ammunition columns, 1 per gun and ammunition wagon limber. R.E. and A.S.C., 1 per set of saddlery, except W.Os. and mounted sappers.
	Breastplates , patt. '84 ...	—	10 per cent. of saddles for cavalry. Other units when required.
A.O. 202 1909	Buckets {	—	2 per set for Lancer regiments. Other units 2 per exercise lance.
		—	Infantry, 1 per transport sergeant. M.I., 1 per N.C.O. and man armed with a rifle.
		—	Cavalry, R.E. and A.S.C., 1 per N.C.O. and man armed with a rifle. R.A., as ordered.
		—	1 per set of saddlery field troop R.E. only (except staff sergeants and trumpeters).
	Cases , { horse shoe }	1	Except for cavalry and R.A.
		1	Cavalry only.
	Collars , head	1	
	Cruppers , saddlery	—	5 per cent. of saddles.
	Frogs , sword, saddle	—	1 per man armed with a cavalry sword, except cavalry regiments.

(a) Twenty per cent. having ports smooth on one side and rough on the other will be issued.

TABLE 3—continued. Saddlery, Universal.

Description.	No. per set.	Remarks.
<i>Section No. 6A—contd.</i>		
SADDLERY, UNIVERSAL.		
Girths	{ cord	—
	{ leather, patt. '84 ...	1
Leathers, stirrup ...	2	10 per cent. for cavalry, and 10 per cent. for Horse and Field Artillery batteries in South Africa.
Martingales, breastplate ...	—	
Pannels, numnah ... pairs	1	5 per cent. for cavalry and M.I. Peace only.
Protectors, cape or cloak ...	1	
Reins, bit	2	Peace only.
Saddles, steel arch	1	
Stirrups	2	8 Equipment 303
{ baggage	3	
{ baggage and lance	1	2 only for Lancer regiments.
{ bit attachment ...	2	Lancer regiments only.
{ lance bucket	—	Only when bridle head is not issued.
{ shoe case, pattern	—	
Straps	{ '84	1
	{ supporting { front	—
	{ rear	—
	{ sword, picket peg	—
{ trace	—	1 per lance bucket.
Surcingles, leather ...	1	A.O. 202 1909
Traces, saddlery ... pairs	—	
Tugs, trace	—	A.O. 290 1909
{ trace	—	
Surcingles, leather ...	1	For R.A., 1 per cavalry sword.
Traces, saddlery ... pairs	—	2 per breastpiece.
Tugs, trace	—	1 per pair of saddlery traces.
{ sword, picket peg	—	1 per man armed with a cavalry sword, except R.A., R.E., and M.I.
{ trace	—	
Surcingles, leather ...	1	2 per pair of saddlery traces.
Traces, saddlery ... pairs	—	1 per breastpiece.
Tugs, trace	—	2 per pair of saddlery traces.

Special for Mobilization Storage.

<i>Section No. 5A.</i>		
Girths, pieces, extending ...	—	10 per cent. of saddles.
<i>Section No. 6A.</i>		
Surcingles, leather:—		
Straps, extending	—	10 per cent. of saddles.

A.O. 142
1911

TABLE 4.—Harness, Pole Draught, G.S.

Description.	No. per set.		Remarks.	
	Near.	Off.		
<i>Section No. 2A.</i>				
Ropes , head, hemp, with ring	1	1	Peace only. Issued as part of camp equipment for war.	
<i>Section No. 5A.</i>				
HARNESS, POLE DRAUGHT, G.S.				
Breechings	1	1	Wheel only.	
Collars { breast	1	1	R.A. and R.E. only.	
" light	1	1	When stock of A.S.C. converted breast collars is exhausted. Not for R.A. or R.E.	
Leggings , drivers	1	—		
Neckpieces , pole-bar	1	1	Wheel only.	
Pads , collar	1	1		
Pannels , numnah, drivers, pairs	1	1(a)	When stock of numnahs, Mark VI, is exhausted. For drivers saddles only.	
Reins , driving, long ... sets	—	—	R.A.—As ordered. R.E.—1 per G.S., G.S. R.E. and reservoir gas wagon. Other units.—1 per near set of harness in peace; 1 per G.S. and ambulance wagon for war.	
Rings , rein, driving	2	2	Wheel sets only when long driving reins are used.	
Saddles , S.A., drivers	1	1(a)	Until stock is exhausted, then saddles, universal, pattern 1890 converted, or pattern 1902.	
Straps { collar pad pairs	1	1		
	hip, long, wheel	1	1	Wheel only.
	loin, lead	1	1	Lead and centre only.
	neck... ..	1	1	
Traces , rope { long, Mark II pairs	1	1	Lead and centre only until stock is exhausted, then long wire traces.	
	short " "	1	1	Lead and centre only (except wheel-centre sets of heavy batteries) until stock is exhausted, then short wire traces.

(a) For gun and technical ammunition wagon teams of R.F.A. and R.G.A., and for technical vehicles of R.E. only

TABLE 4—continued. Harness, Pole Draught, G.S.

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1911

Description.	No. per set.		Remarks.	
	Near.	Off.		
Section No. 5A—contd.				
HARNESS, POLE DRAUGHT, G.S.				
Traces, wire	long ... pairs	1 1	Wheel only until stock of long rope traces is exhausted.	
	short ... "	1 1	Wheel-centre sets of heavy batteries only until stock of short rope traces is exhausted.	
	wheel ... "	1 1	Wheel sets of heavy batteries only. In addition to long wire traces.	
Tugs, neckpiece	...	1 1	R.A. and R.E. wheel sets only.	
Whips {	drivers	1 —		
	driving	— —	1 per set of driving reins.	
Section No. 6A.				
SADDLERY, UNIVERSAL.				
Bits, portmouth, reversible	...	1 1	See bits, snaffle, van.	
Heads, bridle	...	— —	1 per Mark III head collar, until stock is exhausted.	
Blankets, saddle	...	1 1(a)		
Collars, head	...	1 1		
Girths, leather, pattern '84	...	1 1(a)		
Leathers, stirrup	...	2 2(a)		
Numnahs, Mark VI	...	1 1(a)	For drivers and pattern 1890 converted universal saddles until stock is exhausted, then numnah pannels.	
Pannels, numnah	... pairs	1 1(a)	Mark II for pattern 1902 saddles. Mark I* for pattern 1890 converted saddles, when stock of Mark VI numnahs is exhausted.	
Reins, bit	...	1 1	When stock of bearing reins is exhausted.	
Stirrups	...	2 2(a)		
Straps {	baggage	...	3 3(a)	
	bit attachment	...	2 2	Only when bridle head is not issued.
Surcingles, leather	...	1 1(a)		

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1912

(a) For gun and technical ammunition wagon teams of R.F.A. and R.G.A., and for technical vehicles of R.E. only.

A.O. 142
1911TABLE 4— *continued.* Harness, Pole Draught, G.S.

Description.	No. per set.		Remarks.
	Near.	Off.	
Special for Mobilization Storage.			
Section No. 5A.			
Bits, snaffle, van ...	...		For 20 per cent. of single sets of harness in possession of Heavy Artillery Ammunition Columns, in lieu of a similar number of reversible bits.
Girths, pieces, extending ...	...		40 per cent. of single sets of harness of Ammunition Columns; 20 per cent. other services.
Section No. 6A.			
SADDLERY, UNIVERSAL.			
Surcingles, leather:—			
Straps, extending ...	...		40 per cent. of single sets of harness of Ammunition Columns; 20 per cent. other services.

TABLE 5.—Harness, Shaft Draught.

NOTE.—This set does not refer to shaft draught harness used in vehicles for which A.S.C. harness is allowed. (See Table 6.)

54
Gen. No.
888
A.O.:142
1911

Description.	No. per set.		Remarks.
	Near.	Off.	
Section No. 2A.			
Ropes, head, hemp, with ring ...	1	1	Peace only. Issued as part of camp equipment for war.
Section No. 5A.			
HARNESS, POLE DRAUGHT, G.S.			
Breechings	1	1	
Collars { breast	1	1	R.A. and R.E. only.
„ light	1	1	When stock of A.S.C. converted breast collars is exhausted. Not for R.A. or R.E.
Leggings, drivers	1	—	
Pads, collar	1	1	
Pannels, numnah, drivers pairs	1	—	When stock of numnahs, Mark VI, is exhausted. For drivers' saddles only.
Reins, driving, long ... sets	—	1	Peace only.
Rings, rein, driving	2	2	Peace only.
Saddles, S.A., drivers	1	—	Until stock is exhausted, then saddles, universal, patt. '90 converted, or patt. '02.
Straps { collar pad ... pairs	1	1	
hip, long, wheel „	1	1	
neck	1	1	
Traces, wire, long ... pairs	1	1	
Whips { drivers... ..	1	—	
driving	1	1	Peace only.

54
Gen. No.
886

TABLE 5—*continued.* Harness, Shaft Draught.

Description.	No. per set.		Remarks.
	Near.	Off.	
Section No. 5A—continued.			
HARNESS, SHAFT DRAUGHT.			
Bands, back (a)	—	1	These must always be worn with luggage saddles.
Girths, luggage	—	1	
Numnahs, felt, luggage ...	—	1	
Pannels, numnah, luggage pairs	—	1	
Reins, side	—	1	
Saddles, I.A., luggage, large	—	1	
Straps, girth	—	4	
Tugs, backband (a)	—	2	
Section No. 6A.			
SADDLERY, UNIVERSAL.			
Bits, portmouth, reversible ...	1	1	1 per Mark III head collar, until stock is exhausted.
Heads, bridle	—	—	
Blankets, saddle... ..	1	—	For drivers and patt. '90 con- verted universal saddles until stock is exhausted, then numnah pannels.
Collars, head	1	1	
Girths, leather, patt. '84 ...	1	—	
Leathers, stirrup	2	—	
Numnahs, Mark VI	1	—	
Pannels, numnah ... pairs	1	—	
Reins, bit	1	1	When stock of bearing reins is exhausted.
Stirrups	2	—	Only when bridle head is not issued.
Straps { baggage... ..	3	3	
	bit attachment... ..	2		2
Surcingles, leather	1	1	

(a) Backband and tug must be of the same size, i.e., 1½-inch or 2¼-inch.

TABLE 6.—Harness, A.S.C., Converted.
(Interchangeable with Harness, Pole Draught, G.S.)

A.O. 142
1911

Description.	No. per set.		Remarks.
	Near.	Off.	
Section No. 2A.			
Ropes, head, hemp, with ring	1	1	Peace only. Issued as part of camp equipment for war.
Section No. 5A.			
HARNES, A.S.O.			
Breechings	1	1	
Collars { breast, Mark II, converted (a) (b)	—	—	For 25 per cent. of single sets of harness. See collars, neck.
head	1	1	
Cruppers { without dock- pieces	1	1	These items can be replaced by straps, hip, long, wheel, P.D.G.S.
dockpieces	(c)	(c)	
Pads, back	1	1	
Straps, carrying	2	2	
Traces, converted ... pairs	1	1	
HARNES, POLE DRAUGHT, G.S.			
Chains, hame, with ring ...	—	—	1 per neck collar.
Collars, neck (b)	—	—	For 75 per cent. of single sets of harness. In peace, A.S.O. units will have 100 per cent. See collars, breast.
Hames, with rings ... pairs	—	—	1 per neck collar.
Leggings, drivers	1	—	
Neckpieces, pole bar ...	—	—	1 per breast collar for wheel sets of vehicles fitted with No. 3 pole bar.

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1912

(a) Or collars, breast, light, P.D.G.S. If, on an emergency, collars, breast, P.D.G.S., are issued, neckpieces and tugs will be required with vehicles having rigid poles without pole bars.

(b) Breast collars only will be issued for use with limbered wagons of cavalry regiments and mounted infantry units.

(c) 6 per cent. of cruppers.

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1912

54
Cavalry
1066

A.O. 142
1911

TABLE 6—continued. Harness, A.S.C., Converted.

Description.	No. per set.		Remarks.
	Near.	Off.	
Section No. 5A—contd.			
HARNESS, POLE DRAUGHT, G.S.			
Pads, collar	1	1	
Pannels, numnah, drivers 			

(a) 1½-inch buckling pieces will be issued with 1½-inch wither straps until stock is exhausted.

(b) Or straps, neck, P.D.G.S., and rings, rein, driving.

TABLE 6—continued. Harness, A.S.C., Converted.

A.O. 142
1911

Description.	No. per set.		Remarks.
	Near.	Off.	
Section No. 6A—contd.			
SADDLERY, UNIVERSAL.			
Blankets, saddle	1	—	For drivers and pattern 1890 converted universal saddles until stock is exhausted, then numnah pannels.
Girths, leather, pattern '84	1	—	
Leathers, stirrup	2	—	
Numnahs, Mark VI	1	—	
Pannels, numnah ... pairs	1	—	Mark II for pattern 1902 saddles. Mark I* for pattern 1890 converted saddles when stock of Mark VI numnahs is exhausted.
Stirrups	2	—	
Straps, baggage	3	—	
Surcingles, leather	1	—	
Section No. 5A.			
HARNESS, SHAFT DRAUGHT.			
Bands, back (a)	—	1	Not issuable with pole draught vehicles as peace equipment.
Girths, luggage	—	1	
Numnahs, felt, luggage	—	1	
Pannels, numnah, luggage (b) pairs	—	1	
Reins, side	—	1	For war these articles will be allowed for all shaft draught vehicles. Also for the off-wheel horses of pole-draught vehicles (except R.E. technical vehicle-); to be carried in the wagons on the march.
Saddles, I.A., luggage, large	—	1	
Straps, girth	—	4	
Tugs, backband (a)	—	2	
Section No. 6A.			
SADDLERY, UNIVERSAL.			
Straps, baggage	—	3	
Surcingles, leather	—	1	

57
Engrs.
1157

(a) Backband and tug must be of the same size, i.e., 1½-inch or 2½-inch.
 (b) Pannels, numnah, luggage, must always be worn with luggage saddles.

A.O. 142
1911TABLE 6—*continued*. Harness, A.S.C., Converted.

Description.	Remarks.
Special for Mobilization Storage.	
<i>Section No. 5A.</i>	
MISCELLANEOUS ARTICLES.	
Bits, snaffle, van	20 per cent. of single sets of harness in lieu of a similar number of reversible bits.
Breechings, straps, extending	2 per breeching for 20 per cent. of single sets of harness.
Girths, pieces, extending ...	20 per cent. of single sets of harness.
<i>Section No. 6A.</i>	
SADDLERY, UNIVERSAL.	
Bits, portmouth, reversible:—	1 per snaffle van bit.
Heads, bridle	
Surcingles, leather:—	20 per cent. of single sets of harness.
Straps, extending	

TABLE 7.—Harness, Mule, Breast.

Description.	Number per set.					54 Gen. No. 765	
	Ten-span.		Eight-span.	Six-span.	Four-span.		Two-span.
	A.	B.					
Section No. 5A.							
HARNESS, POLE DRAUGHT, G.S.							
Whips, driving	—	—	—	—	1	1	54 Gen. No. 1020
HARNESS, MULE, BREAST.							
Bars, coupling	1	1	1	1	1	—	
Bits, snaffle	10	10	8	6	4	2	
Breechings	4	2	2	2	2	2	
Bridles	10	10	8	6	4	2	
Chains, trek, 8 feet, Mark II ...	3	3	2	1	—	—	
Collars, breast	10	10	8	6	4	2	
Cruppers	4	2	2	2	2	2	
Numnahs, saddle, cart... ..	—	—	—	2 ^b	2 ^b	2	
Reins, driving { lead { single	8	8	6	4	2	—	
	2 ^a	1	1	1	1	—	
	{ wheel sets	1	1	1	1	1	1
Saddles, cart	—	—	—	2 ^b	2 ^b	2	
Straps { back, wheel	4	2	2	2 ^c	2 ^c	—	
	—	—	—	2 ^b	2 ^b	2	
	„ belly bugle	8	4	4	4	4	4
	connecting breeching	16	18	14	10	6	2
neck, Mark II	4	2	2	2	2	2	
pole	5 ^d	5 ^{d e}	4 ^d	3 ^d	—	—	
Swingletrees sets	10 ^f	10 ^f	8 ^f	6 ^f	4	2	
Traces, wheel pairs	—	—	—	4 ^b	4 ^b	4	
Tugs, belly bugle							
MISCELLANEOUS ARTICLES.							
Whips, driving, 8-span	1	1	1	1	—	—	57 Cape 3258

A.—Set to be issued when it is probable that it will be required to be broken up into 4, 6 or 8-span.

B.—For use as 10-span only.

(a) 1 pair spare.

(b) Only when belly bugles are issued.

(c) Not required when cart saddles are issued.

(d) 1 set spare.

(e) 4 sets only will be issued when lead traces are issued. (See (f).)

(f) 2 pairs of lead traces will be issued in lieu of wheel until stock of the former is exhausted.

TABLE 8.—Packsaddlery, General Service.

A.O. 202 1909	Description.	No. per set.			Remarks.
		With Mark III. or IV trees.		With adjust- able tree.	
		Large.	Small.		
	<i>Section No. 5A.</i>				
	HARNESS, POLE DRAUGHT, G.S.				
A.O. 113 1910	Cases, horse-shoe ...	1	1	1	
	<i>Section No. 5B.</i>				
	PACKSADDLERY, GENERAL SERVICE.				
	Bars, hanging, Mark II ...	—	2	2	When authorized.
	Bits, bridoon (a) ...	1	1	1	
	Breechings, Mark III, IV, or V (b) ...	1	1	1	
	Chains { collar, G.S., Mark III ...	1	1	1	For Marks III and IV breechings only.
	{ extending breech- ing ...	2	2	2	
	Collars { breast, Mark III, IV or V ...	1	1	1	
	{ head, Mark III or IV ...	1	1	1	
	Covers, 6-feet x 6-feet, G.S.	1	1	1	
	Cruppers, Mark V ...	1	1	1	For each pair of hanging bars.
	Girths { leather ...	—	1	1	
	{ Mark III, IV, or V (c) ... pairs	1	1	1	

(a) Or "Bits, snaffle, with head" in lieu.

(b) Or "breechings, cavalry pioneers": when horses are employed, until stock is exhausted.

(c) Tanned worsted girths will be issued to cavalry.

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TABLE 8—continued. Packsaddlery, General Service.

Description.	No. per set.			Remarks.
	With Mark III or IV trees.		With adjust- able tree.	
	Large.	Small		
<i>Section No. 5B—contd.</i>				
PACKSADDLERY, GENERAL SERVICE.				
Pannels { Mark III or IV large pairs	1	—	—	When authorized. Or ropes, baggage.
Mark III or IV small, or	—	1	1	
Mark V pairs	—	1	1	
Racks , intrenching tool, R.E., wood, small ... pairs	—	1	1	
Reins , bridoon (a) ...	1	1	1	
Ropes , Mark III or IV pairs	2	2	2	
Straps , girth ...	4	4	4	
Surcingles , Mark III ...	1	1	1	
Trees ...	1	1	1	

(a) Reins, bit (universal saddlery) will be issued to cavalry.

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TABLE 9.—Packsaddlery, Machine Gun.

A.O. 202 1909	Description.	Mark II tripod equipment(a). Number per		Marks II, III, and IV, tripod equipment(a). Number per	
		Gun and tripod set.	Ammu- nition set.	Gun and tripod set.	Ammu- nition set.
8 Equipt. 303	<i>Section No. 5A.</i>				
	HARNESS, POLE DRAUGHT, G.S.				
	Cases, horse-shoe	1	1	1	1
	<i>Section No. 5B.</i>				
	PACKSADDLERY, GENERAL SERVICE.				
	Bits, bridoon(c)	1	1	1	1
	Breechings, Mark III, IV, or V	1	1	1	1
	Chains, collar, G.S., Mark III	1	1	1	1
	Collars { breast, Mark III, IV, or V	1	1	1	1
	{ head, Mark III or IV	1	1	1	1
	Cruppers, Mark V	1	1	1	1
	Girths { leather	—	1(b)	—	1(b)
	{ Mark III, IV, or V(d) pairs	1	1	1	1
	Pannels { Mark III or IV, small, or Mark V ... pairs	—	1	1	1
	{ Mark III or IV, large ... pairs	1	—	—	—

(a) When the adjustable tree is issued the set for Mark II equipment will be as in columns 4 and 5.

(b) For Mark II racks only.

(c) Or "Bits, snaffle, with head " in lieu.

(d) Tanned worsted girths will be issued to Cavalry.

TABLE 9—continued. Packsaddlery, Machine Gun.

Description.	Mark II tripod equipment(a). Number per		Marks II, III, and IV, tripod equipment(a). Number per		A.O. 202 1909
	Gun and tripod set.	Ammunition set.	Gun and tripod set.	Ammunition set.	8 Equip. 303
<i>Section No. 5B—contd.</i>					
PACKSADDLERY, GENERAL SERVICE.					
Reins, bridoon(b)...	1	1	1	1	
Straps, girth, Mark II ...	4	4	4	4	
Surcingles, Mark III ...	1	1	1	1	
Trees { adjustable ...	—	—	1	—	
Mark III or IV, small, modified ...	—	—	—	1	
PACKSADDLERY, MACHINE-GUN, .303-INCH.					
Bottles, water, leather ...	1	—	1	—	
Caps, shovel, Mark II ...	—	1	—	1	
Covers, gun ...	1	—	—	—	
Frames, wood { Mark I ...	—	1(c)	—	—	
" " II ...	—	—	1	1	
Girths, web, racks and hangers, Mark II ...	—	1(d)	1	1(d)	
Hangers { gun, adjustable tree ...	—	—	1	—	
tripod, adjustable tree ...	—	—	1	—	
Pockets, tripod head ...	1	—	1(e)	—	
Racks, boxes, ammunition in belts, Mark I or II ...	—	2	—	2	
Straps, girth (f)...	—	4	4	4	
Trees { large ...	1	—	—	—	
small ...	—	1(g)	—	—	

(a) When the adjustable tree is issued the set for Mark II equipment will be as in columns 4 and 5.

(b) Reins, bit (universal saddlery), will be issued to Cavalry.

(c) Will only be issued with M.G. small trees. Mark II frames will be issued with G.S. modified trees.

(d) For Mark I racks only.

(e) For Mark II tripods only.

(f) For "Girths, web, racks and hangers" only.

(g) When the stock of these trees is exhausted Mark III or IV small (modified) trees will be issued in lieu.

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TABLE 10.—Equitation Articles.

Description.	No. per set.	Remarks.
<i>Section No. 5A.</i>		
MISCELLANEOUS ARTICLES.		
Bridles { cord, breaking ... { mouthing { bits ... heads, ... bridle ... reins ... { snaffle ...	... 2 ... 1 ... 1 ... 1 ... 4	
Caps, knee, horse... ... pairs	2	
Cavisons ...	1	
Cruppers, breaking ...	1	
Girths, leather, breaking ...	1	
Pads, driving, breaking ...	1	Rollers, breaking, will be issued in lieu until stock is exhausted.
Reins { bearing, breaking ... { cord, driving, breaking... { rubber ... { running, riding ... { web, driving, breaking ...	... 2 ... 2 ... 2 ... 4 ... 2	
Straps, { long ... { short ...	... 2 ... 2	
Whips { hand ... { longeing ...	... 2 ... 1	

APPENDIX XIII.

*Referred to in paragraph 191.*INSTRUCTIONS RELATING TO HARNESS AND SADDLERY
STORED WITH MOBILIZATION EQUIPMENTS.

1. The following articles will be stored in accordance with the scale detailed below :—

Description.	Percentages of sizes for—						
	Saddlery, universal.				Harness.		
	Cavalry.	Mounted Infantry.	Royal Horse Artillery.	Other units.	Royal Artillery (except Heavy).	Heavy Artillery.	Other units.
<i>Section No. 6A.</i>							
Bits, portmouth, reversible :—							
Large	30	—	50	50	80	100	100
Medium	60	—	50	50	20	—	—
Small	10	100	—	—	—	—	—
Bits, portmouth, reversible :—							
Heads, bridle :—							
Large	20	—	90	90	90	90	90
Small	80	100	10	10	10	10	10
Collars, head :—							
Large	20	—	90	90	90	90	90
Small	80	100	10	10	10	10	10
Girths, leather pattern '84 :—							
Large	—	—	30	30	40	88	70
Medium	100	—	70	70	60	12	30
Small	—	100	—	—	—	—	—
Leathers, stirrup :—							
Long	20	—	20	20	—	—	—
Short	80	100	80	80	100	100	100
Saddles, universal, steel arch :—							
Large	10	—	30	40	100	100	100
Medium	90	—	70	60	—	—	—
Small	—	100	—	—	—	—	—
Surcingle, leather :—							
Large	100	—	100	100	100	100	100
Small	—	100	—	—	—	—	—

Neck Collars.

2. Neck collars will be stored in the following percentage of sizes:—

Units.	Size and percentage.								
	21-inch.	21½-inch.	22-inch.	22½-inch.	23-inch.	23½-inch.	24-inch.	24½-inch.	25-inch.
Royal Engineers	6	20	20	22	20	7	3	1	1
Other units	2	20	20	24	15	8	7	3	1

Collar Pads.

3. Small pads will be stored for all breast collars and for neck collars up to 23½-inch. Large pads for 24-inch neck collars and upwards.

Hames.

4. The sizes of service hames differ by half inches from 21 to 25-inch. Service hames of suitable sizes will generally fit any service or civilian pattern neck collar two sizes above or below its own marked size, civilian pipe-collars excepted.

A pipe-collar is closed at the top and is V-shaped at the throat; the shape of the throat necessitates a full-sized hame being used.

Stirrups.

5. Stirrups will at present be stored in the proportion of 60 per cent. small size and 40 per cent. large size. No more small size will be provided, and those stored with mobilization equipments will be replaced by large size when the stock of the former is used up.

Snaffle Van Bits.

6. The snaffle van bit is a strong double ring pattern bit with twisted mouthpiece, and is issued for use with horses not accustomed to portmouth bits, or that require a larger mouthpiece than the large portmouth bit.

Straps, Extending Breeching.

7. These straps are $1\frac{1}{2}$ inches in width and $13\frac{3}{4}$ inches in length, and are fitted with a $1\frac{1}{2}$ -inch buckle to take the breeching strap. A.S.C. breechings generally require extension when used with heavy van horses, and in such cases two extending straps will be used—one on each side to allow the seat of the breeching and the hip straps to work evenly.

Girths, Pieces Extending.

8. The extending piece is 12 inches in length, fitted with two 1-inch buckles, and split into two 1-inch straps to buckle into the girth. It can be used with universal saddlery girths or with luggage girths.

Surcingles, Leather—Straps, Extending.

9. The strap for extending the surcingle is 13 inches in length, fitted at one end with a buckle and suitably punched at the other end.

APPENDIX XIV.

Referred to in paragraph 519

INSTRUCTIONS FOR THE CARE AND PRESERVATION OF THE LEATHER OF HARNESS AND SADDLERY (OTHER THAN THAT HELD FOR MOBILIZATION) IN POSSESSION OF TROOPS.

1. Once in every six months the saddlery and harness in possession of the troops is to be laid by in dubbing for two or three days.

2. From Friday afternoon until Monday afternoon is a suitable time, if the Saturday intervening be made a saddlery and harness inspection day, so that the officer immediately responsible may see that the orders are strictly carried out.

3. The whole of the strapping composing the saddlery and harness will be taken to pieces ; and after the articles have been cleaned, and while they are damp from the use of a wet sponge, the dubbing will be lightly rubbed in. It may be applied with a rag, sponge, or brush. Dubbing spreads more uniformly, and is incorporated more thoroughly with the fibres of the leather, if applied when the leather is damp. In the winter months the dubbing should be warmed.

4. When the dubbing has had time to penetrate the leather, which will be in two or three days, the residue of tallow on the surface should be rubbed off, and the article polished up with a cloth or brush. If this is properly done, and only a sufficiency of dubbing has been used, the leather will not soil the hand or glove when handled.

5. Rifle buckets, and seats and flaps of saddles, being of uncurried leather and requiring to be kept stiff, should only be very lightly dubbed *annually*, but occasional soap sponging is necessary to preserve the grain.

6. Soap should be used daily, where articles are in constant use, to produce mellowness in the leather rather than an outward gloss. Inspecting officers should handle the straps to ascertain that they are pliable, and in good preservation.

7. So long as leather remains dry and clean it needs but little attention beyond receiving a little grease half-yearly; but when wetted, either by rain or by the water necessary to clean it, the leather becomes hard and stiff if not softened with some oily matter.

8. Leather must not be washed with soda nor soaked in water. Its vitality is quite destroyed by being soaked in hot water, and it will be found afterwards to readily crack when bent. Washing the leather with soap and *luke-warm* water, quickly and without soaking, will not injure it if the precaution is taken to apply oil, dubbing, or good soap, while the article is slightly damp.

9. Drying the leather by the fire destroys its durable properties, and is strictly forbidden.

10. Leather articles exposed to the action of ammonia, which is continually given off in stables, become weak and rotten sooner than those not so exposed; but the grease of oil, soap, or dubbing, applied from time to time, penetrates the leather, nourishes it, and fits it to resist the deleterious effects of ammonia, and of atmospheric moisture; it also fills up the fibres, makes the leather more mellow, and increases its tensile strength.

11. Soft soap contains an excess of alkali, and should be sparingly used; if applied freely it gives the leather a dark and sodden appearance.

12. Bees-wax and saddle soaps, commonly used in the service to give a polish to the grain of the leather, are not objectionable, providing good yellow soap is used on the flesh (under) side to keep the leather mellow.

13. Black saddlery leather requires greater care than brown. To give it a good appearance, the best blacking only should be used.

14. The harness and saddlery of sick and young horses, when kept in store, should be properly cleaned, and soaped, or dubbed, before being stored. The officer immediately responsible should inspect them monthly.

APPENDIX

Referred to in

Components, Accessories, Spare Parts, Cart

(For R.A. and R.E. Vehicles, see Part

Section No.	Description	Number							
		Carts.							
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.				
					Marks		Converted water barrel.		
					I* and II.	IIA, IIB, IIC, and IIL.	I and II.	III.	Marks
<i>A.—Not demanded or accounted for separately.</i>									
COMPONENTS.									
A.O. 47 1912	21A {	Aprons, wagon, ambulance (f) ...	—	—	—	—	—	—	—
	21A {	Bags, canvas, small stores box ...	—	—	—	—	—	—	—
		Barrels, water, wagon, ambulance	—	—	—	—	—	—	—
		draught ...	—	—	—	—	—	—	—
		loading ...	—	—	—	—	—	—	—
	21A {	Bars { securing, water tank ...	—	—	—	—	—	—	—
	14 {	supporting, draught pole, No. 3 ...	—	—	—	—	—	—	—
		Boards, partition ...	—	—	—	—	—	—	—
		alum ...	—	—	—	—	—	—	—
	21A {	Boxes { grease, 3-lb. ...	1	1	1	1	1	1	1
		limber, wagon, S.A.A. ...	—	—	—	—	—	—	—
		surgical appliances (f) ...	—	—	—	—	—	—	—
		Brackets, lamp, outside ...	—	—	—	—	—	—	—
		Candles, apparatus, filtering, sterilizing ...	—	—	—	—	8	—	—
		Carriers, dust { 2nd class axletree, No. 1	—	—	—	—	—	—	—
		excluder { 3rd " ...	—	—	—	—	—	—	—
		Cases { candle, apparatus, filtering " ...	—	—	—	—	8a	—	—
		leather, small stores box ...	—	—	—	—	1e	—	—
		check, perch, wagons, G.S. (f) ...	—	—	—	—	—	—	—
		No. 21 ...	—	—	—	—	—	—	—
		" 22 ...	—	—	—	—	—	—	—
		" 28 ...	—	—	—	—	—	—	—
		" 33 ...	—	—	—	—	—	—	—
		Chains { bar, wagon, G.S., Mark V ...	—	—	—	—	—	—	—
		draught { cart, forage, outrigger ...	1	—	—	—	—	—	—
		limber, wagon, S.A.A. ...	—	—	—	—	—	—	—
		pole, No. 2 ...	—	—	—	—	—	—	—
		rear, wagon, G.S. ...	—	—	—	—	—	—	—
		locking, wagon, G.S. ...	—	—	—	—	—	—	—
	21A {	Collars, { 2nd class "C" capped wheels	—	—	—	—	—	—	—
		adjusting { 3rd " " " " ...	—	—	—	—	—	—	—
		Couplings, filling pipes ...	—	—	—	—	8	—	—
		Covers { head, feed pipes ...	—	—	—	—	2d	—	—
		thigh splints ...	—	—	—	—	—	—	—
		wagon, ambulance, light ...	—	—	—	—	—	—	—
		Cups, drinking, cart, water ...	—	—	—	1	1	1	1

(f) According to mark of vehicle,

XV.

paragraph 36.

and Wagon Equipment of Vehicles.

2, Sections X, XI and XII.)

per vehicle.

Wagons.																					Remarks.				
Ambulance.			Ammunition and Store, R.A.	General Service.															Limbered, G.S.	Small Arm Am- munition.					
Marks				Marks	Marks																				
IV.	V* and V**.	VI.			Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.				X.	X*.	Fore.	Hind.
1	1	1	1																						
2																									
3		1b																							
4				1																					
5																									
6		1c	1	1																	2				
7				1																1					
8																				1					
9																									
10	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1				
11																									
12			1	1																					
13		2																							
14																									
15																			2						
16																			2						
17																									
18																									
19											2	2	2	2	2	2	2	2							
20			1																						
21		1																							
22	1																								
23		1																							
24										2															
25																									
26																									
27	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		1				
28																									
29																									
30			2																	2	2				
31			2																2						
32																									
33																									
34			1																						
35				1																					
36																									

(a) For carts having
Mark I small stores box.

(b) When existing stock is
used up, will be replaced
by water tank.

(c) Only required when
wagon is provided with
water tank.

(d) Mark III carts.

(e) For carts having
Mark III or Mark IV
small stores box.
Mark V** wagon.

Mark V* wagon.

(a) For carts having Mark I small stores box.

(b) When existing stock is used up, will be replaced by water tank.

(c) Only required when wagon is provided with water tank.

(d) Mark III carts.

(e) For carts having Mark III or Mark IV small stores box.
Mark V** wagon.

Mark V* wagon.

Section No.	Description.	Number							
		Carts.							
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.				
					Marks	Converted water barrel, Marks			
				I* and II.	IIA, IIB, IIC, and IIL.	I and II.	III.		
COMPONENTS—continued.									
21A	Curtains, Mark VI, ambulance wagon (set of 8)	—	—	—	—	—	—	—	1
	Cushions	wagon, ambulance, light	—	—	—	—	—	—	2
		wagon, ambulance, { centre	—	—	—	—	—	—	3
		Mark IV ... { front	—	—	—	—	—	—	4
		Mark VI ... { rear	—	—	—	—	—	—	5
		wagon, ambulance, { large	—	—	—	—	—	—	6
21A	Mark VI ... { small	—	—	—	—	—	—	7	
	wagon, ambulance, Marks V* and V**	—	—	—	—	—	—	8	
	Drawers, box, alum mixture	—	—	—	—	1a	—	9	
	Excluders, dust { 2nd class axletree	—	—	—	—	—	—	10	
		3rd " " "	—	—	—	—	—	—	11
	Girths, cart ... " " "	—	—	—	1	1	1	12	
	Hoods ... " " "	—	—	—	—	—	—	13	
	Hooks, draught, S, cart or wagon (b)	2	2	2	—	2	—	14	
	Hoops, bale, wagon, ambulance, light (set of 4)	—	—	—	—	—	—	15	
	14 21A 21A	Hose, apparatus, { 1-inch bore	—	—	—	—	2c	—	16
filtering { 1-inch (h)		—	—	—	—	2c	—	17	
		3/4-inch " " "	—	—	—	—	—	—	18
Keys { split, flat { 1-inch x 4-inch		—	1	—	1	1	1	1	19
		3/4-inch " " x 3 1/2 "	—	—	—	—	—	—	20
		3/4-inch " " x 3 "	—	—	1	—	—	—	21
Ladders (h) ... { 1 1/2 "		—	—	—	—	2c	—	—	22
		water taps ... " " "	—	—	—	5	—	5	23
		Ladders (h) ... " " "	—	—	—	—	—	5	24
21A		Lamps, vehicle (k) { left hand	—	—	—	—	—	—	25
	right hand		—	—	—	—	—	—	26
21A	Leathers, hand, with buckle	—	—	—	—	—	—	27	
	Perches, wagon, limbered, G.S.	—	—	—	—	—	—	28	
21A	draught {	No. 1 ...	—	—	—	—	—	—	29
		" 2 ...	—	—	—	—	—	—	30
		" 3 ...	1	—	—	1	1	1	31
		" 5 ...	—	—	—	—	—	—	32
		" 13 ...	—	—	—	—	—	—	33
		" 19 ...	—	—	—	—	—	—	34
14 21A 21A 21A 21A	Pins {	" 20 ...	—	—	—	—	—	—	35
		2nd class ...	—	—	2	—	2c	—	36
		3rd class ...	2	2	—	2	2c	—	37
		2nd class, "C" capped wheels	—	—	—	—	—	—	38
		3rd class, "B" " "	—	—	—	—	—	—	39
		with tread plate { "A	—	—	—	—	—	—	40
		"B	—	—	—	—	—	—	41
		securing, small stores box	—	—	—	—	2c	—	42
		Pipes, filling { long bend	—	—	—	—	4	—	43
		cisterns { short bend	—	—	—	—	4	—	44

(A) According to mark of vehicle.

(K) Will be issued when existing stock is exhausted.

per vehicle.																		Remarks.						
Wagons.																								
Ambulance.			Ammunition and Store, R.A.		General Service.												Limbered, G.S.		Small Arm Ammunition.					
Marks			Marks		Marks																			
IV.	V* and V**.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.			X*.	Fore.	Hind.	Wagon.	Limber.
			1																					
				1																				(b) For vehicles not yet fitted with draught hooks.
					1																			(c) Mark IIA carts.
						1																		(d) Mark IIB, IIC, and III carts.
							1																	(e) Mark III carts.
								1																(f) Left or right for inside of wagon.
									1															(g) One inside and one outside.
																								Sub-components of taps.
																								(l) Mark III wagon.
																								(m) Mark II* wagon.
																								For framed shafts.
																								For draught pole.
																								(n) For wagons having 2nd class hind axletree.
																								(o) Four for wagons not provided with 2nd class hind axletree.
																								(p) Except Mark III.

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Section No.	Description.	Number						
		Carts.						
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.			
					Marks	Con-verted water barrel, Marks		
				I* and II.	IIA, IIB, IIC, and IIL.	I and II.	III.	
COMPONENTS—continued.								
21A	Poles, draught	No. 7A	...	...	...	...	...	...
14		" 17, Mark III...	...	...	...	...	...	...
21A		wagon, G.S. { Mark III	...	...	...	...	...	...
21A	Rails, side, wagons, ambulance, Mark V* and V**	cart	forage	fore or hind	...	...	...	...
				side...	...	...	...	...
	Raves	Maltese	side	fore...	...	...	...	...
				hind	...	...	...	...
				near	...	...	...	...
					off	...	...	...
	wagon, G.S.(g)	near	...	...	...	...	...	
		off	...	...	...	...	...	
		Reels, clarifying, apparatus, filtering	...	...	...	...	2a	...
		Rests, arm	...	...	...	...	...	...
	Rods, curtain	long	...	...	...	...	...	
		short	...	...	...	...	...	
	Rollers, scotch	4-inch	...	...	...	...	...	
		6	...	...	...	...	...	
	Roofs, wagon, ambulance, Mark VI	...	...	...	...	...	...	
	Ropes	lifting, water barrel	...	...	...	...	...	
		wire, locking	...	...	...	...	...	
	Seat, and box, drivers, wagon	ambulance (g)	...	...	...	...	...	
			G.S. { Mark III	...	...	...	...	
	Seats	with back, wagon, G.S.	Mark III	...	...	...	...	
			" IV	...	...	...	...	
			Mark VI	...	...	...	...	
			" VII to IX	...	...	...	...	
	wagon, G.S.	" X and X*	...	...	...	...	...	
21A	Shafts	No. 1	...	...	...	1	...	...
21A		" 19	...	...	...	1	...	...
21A		" 43	...	...	...	1	...	...
21A		" 44	...	...	...	1	...	...
21A		" 45	...	...	...	...	1d	...
21A		" 46	...	...	...	...	1d	...
21A		" 63	...	...	...	1	1c	1
21A		" 64	...	...	...	1	1c	1
21A		" 83	...	...	...	...	...	...
21A		" 84	...	...	...	...	...	...
21A		" 85	...	...	...	...	...	...
21A		" 86	...	...	...	...	1f	...
16A		" 30	...	...	...	...	1f	...
21A		" 96	...	...	...	...	...	...

(g) According to mark of vehicle.

per vehicle.

Wagons.																			
Ambulance.				General Service.												Limbered G.S.		Small Arm Ammunition.	
Marks				Marks															
IV.	V* and V**.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	X**.
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2																			
3																			
4																			
5		2																	
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18	1	1																	
19																			
20																			
21		26																	
22																			
23	1																		
24																			
25																			
26																			
27																			
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31																			
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33																			
34																			
35																			
36																			
37																			
38																			
39																			
40																			
41																			
42																			
43																			
44																			

Remarks.

} Except for Mark IV.

(a) Marks IIC and III carts only.

(b) Not required when tank is supplied.

(c) Certain Mark IX wagons have 2 wire ropes, or 2 chains for locking.

(d) Mark II cart only.

(e) Except Mark III carts.

(f) Mark III cart only.

Section No.	Description.	Number									
		Carts.									
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.			Con- verted water barrel, Marks			
					Marks	I and II.					
							I* and II.	IIA, IIB, IIC, and III.	I and II.	III.	
COMPONENTS—continued.											
A.O. 202 1909 A.O. 115 1909 A.O. 202 1909	21A	Shoes, drag	{ No. 4 " 10 " 17 " 24	...	...	...	—	—	—	—	
	21A	Spanners	{ No. 93 " 184 " 190	...	...	...	—	—	—	—	
	15		Sponges, apparatus, filtering	...	...	sets	—	—	2f	—	—
	21A	Steps, rear...	{ guard " quick release, 1 inch x 24 inch	...	...	...	—	—	—	—	
	21A	Straps	{ securing (o) " quick release, 1 inch x 24 inch	...	...	set	1	1	1	1	
A.O. 202 1909	14		Stretchers, ambulance	...	...	...	—	—	—	—	—
	130	Swingletrees, No. 11 (m)	...	...	...	2	2	2	1	2	
	21A	Tanks, water, wagon ambulance (n)	...	...	...	—	—	—	—	—	
	21A	Ties, lynch pin	...	...	...	2	2	2	2	2	
	14	Washers	{ 2nd class, B " 2nd class, C " 3rd class, B " 2nd class, "C" capped	...	...	...	—	—	—	—	
	14		{ wheels " 3rd class, "B" capped	...	...	...	—	—	—	—	—
	21A		{ wheels " plain, wagon, ambulance	...	...	...	—	—	—	—	—
	21A		{ No. 46 " 48 " 145 " 147 " 150 " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	fore	—	—	—	—	—
	21A		{ hind " fore " fore " hind " fore " hind " fore " hind " fore " hind " fore " hind " fore " hind " hind " hind " hind " hind	...	...	—	—	—	—	—	—
	21A	Wheels	{ 3rd class, B " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	2	2	2	2q	2	
	14		2nd class, B	{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—
	14			{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—
	14			{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—
	21A			{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—
A.O. 202 1909	21A	2nd class C		{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	2	2	2	2p	2
	21A		{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—	
	21A		{ " 155 " 153 " 159 " 159A " 175 " 176 " 23 " 35A " 43 (s) " 193 or 193A " 200 " 200A " 204	...	...	—	—	—	—	—	

(m) Existing stock of Nos. 3A and 10A to be used up.

(n) According to mark of vehicle.

per vehicle.

per vehicle.

Wagons.

General Service.

Remarks.

Ambulance.		Ammunition and Store, R.A.		General Service.																Limbered, G.S.	Small Arm Ammunition.	
Marks		Marks		Marks																		
IV.	V* and V**	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Fore.	Hind.	Wagon.	Limber.
1																						
2																						
3	1																					
4	1																					
5																						
6																						
7	1	1	1	1															1	1		
8																						
9	1																					
10	1	1	1	1																		
11																						
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	4	4	2																		
14	2	2	2	2		2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	1	1k	1	1																		
16	4	4		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4			2	2
17					2	2	2	2			2i	2i	2i	2i	2i	2i	2	2				
18					2	2	2				2i	2i	2i	2i	2i	2i	2	2				
19		4		4			4	4	4	4	2k	2k	2k	2k	2k	2k	2	2			2	2
20																			2			
21																			2			
22	4																					
23				4																		
24				2																		
25							2	2														
26									2													
27							2	2														
28										2												
29	2	2									2i	2i	2i	2i	2i	2i					2	2
30	2	2									2	2	2	2	2	2	2	2				
31																			2			
32		1r																				
33		1r																				
34					2	2	2															
35					2	2	2															
36																	2	2	2	2	2	2
37																			2	2	2	2
38											2i	2i	2i	2i	2i	2i	2	2				
39																			2			
40				2																		

- (a) For use with No. 145 wheel.
- (b) For use with rubber-tired wheels.
- (c) For wagons not provided with No. 145 wheel.
- (d) For wagons fitted with 2nd class C. 43 wheel, or carrying a wheel of that description as spare.
- (e) When fitted with No. 198 wheels.
- (f) Marks IIA and IIB carts only.
- (g) Mark III carts only.
- (h) When stock of water barrels is used up.
- (i) With 2nd class hind axletree.
 - Sub-components of wheels.
- Or No. 159. Vide L. of C., § 14551.
- (k) Four for wagons not provided with 2nd class hind axletrees.
- (l) When not fitted with 2nd class hind axletree.
- (r) Mark V** wagon.
- (s) Alternative to Nos. 198, 198A, 200 and 200A wheels.
- (t) When fitted with 2nd class hind axletree.
- Or No. 200. Vide List of Changes, §14551.

(a) For use with No. 145 wheel.

(b) For use with rubber-tired wheels.

(c) For wagons not provided with No. 145 wheel.

(d) For wagons fitted with 2nd class C. 43 wheel, or carrying a wheel of that description as spare.

(e) When fitted with No. 198 wheels.

(f) Marks IIA and IIB carts only.

(g) Mark III carts only.

(h) When stock of water barrels is used up.

(i) With 2nd class hind axletree.

Sub-components of wheels.

Or No. 159. Vide L. of C., § 14551.

(k) Four for wagons not provided with 2nd class hind axletrees.

(l) When not fitted with 2nd class hind axletree.

(r) Mark V** wagon.

(s) Alternative to Nos. 198, 198A, 200 and 200A wheels.

(t) When fitted with 2nd class hind axletree.

Or No. 200. Vide List of Changes, §14551.

(o) See "Table of Components, Accessories and Straps for Service Vehicles."

(p) Mark III carts only.

(q) Except Mark III carts.

Section No.	Description.	Number							
		Carts.							
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.				
					Marks		Co-n-verted water barrel, Marks		
					I* and II.	IIA, IIB, IIC, and III.	I and II.	III.	
ACCESSORIES.									
21A	Kettle, sterilizing, candles, apparatus, filtering	—	—	—	—	1	—	—	1
B.—Demanded and accounted for separately.									
1. ACCESSORIES.									
5A	Attachments, hame, supporting pole bar	—	—	—	—	—	—	—	2
21A	Bars, coupling, { No. 1 (k) ...	—	—	—	—	—	—	—	3
	engine draught { No. 2 (k) ...	—	—	—	—	—	—	—	4
21A	Chains, draught, lead mules (a)	—	—	—	1	1A	—	—	5
21A	Connectors, engine draught, No. 6 (k)	—	—	—	—	—	—	—	6
21A	{ adjustable, G.S. wagons ...	—	—	—	—	—	—	—	7
21A	{ cart { forage ...	1	—	—	—	—	—	—	8
	{ maltese ...	—	1	—	—	—	—	—	9
14	Covers { rifle ...	—	—	—	—	—	—	—	10
	{ ammunition and store, ...	—	—	—	—	—	—	—	11
	{ R.A. ...	—	—	—	—	—	—	—	12
21A	{ wagon { ambulance { Mark IV ...	—	—	—	—	—	—	—	13
	{ " " V* ...	—	—	—	—	—	—	—	14
21A	{ G.S., Mark IV ...	—	—	—	—	—	—	—	15
21A	{ limbered, G.S. ...	—	—	—	—	—	—	—	16
21A	Guides, engine { No. 1 (k) ...	—	—	—	—	—	—	—	17
21A	draught connector { No. 2 (k) ...	—	—	—	—	—	—	—	18
21A	{ cart, forage ... set	1d	—	—	—	—	—	—	19
21A	Hoops, bale { ambulance { Mk. IV ...	—	—	—	—	—	—	—	20
	{ " " V* ...	—	—	—	—	—	—	—	21
14	{ wagon { ammunition and store, ...	—	—	—	—	—	—	—	22
	{ R.A. (l) ...	—	—	—	—	—	—	—	23
21A	{ G.S. (l) ...	—	—	—	—	—	—	—	24
21A	Lamps, vehicle, right hand (e)	1	1	—	—	—	—	—	25
21A	Poles, mule draught, { No. 1 (a) ...	1	—	1	1	1A	—	—	26
	{ " 3 (a) ...	—	—	—	—	1i	—	—	27
14	Raves, wagon, A. and S., R.A.	—	—	—	—	—	—	—	28
	Seats, drivers, cart, water tank (a)	—	—	—	1	—	—	—	29
21A	Spanners, No. 93	—	—	—	—	—	—	—	30
	Strut, supporting mule pole (a)	—	—	—	1	1	—	—	31
	Swingletrees, wheel mule (a)	—	—	2	2	2	—	—	32
	Tool, inserting, I.R. tyres	—	—	—	—	—	—	—	33
14	Washers, drag, 2nd class C (a)	—	—	1	—	—	—	—	34

(k) Only with wagons for which engine draught has been authorized.

per vehicle.

per vehicle.

Wagons.																				Remarks.	
Ambulance.			Ammunition and Store, R.A.			General Service.															
Marks			Marks			Marks															
IV.	V* and V**	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Limbered, G.S.		
																			Wagon.		
																			Limber.		

1																				
2				4															4	
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																			2	
11					1	1	1													
12	1																			
13		1																		
14				1c	1c	1c														
15																			2m	
16																				
17																				
18																				
19	1																			
20		1																		
21					1	1	1													
22							1d	1d	1d	1d	1d	1d	1d	1d	1d					
23					1	1	1	1	1	1	1	1	1	1	1	1	1	1		
24																				
25																				
26				2f	2f	2f														
27																				
28																1g	1g	1g		
29																				
30																				
31			1	1															2	
32																				

(a) Will be supplied only when mule draught is to be used.

(b) When stock of O.P. covers is used up.

(c) For baggage and tent wagons.

(d) Peace only. See §§ 13062, 13979, List of Changes.

{ Except baggage and tent wagons.

(e) Should only be demanded when the local laws or regulations render their use necessary, brackets being improvised locally. See § 12614, List of Changes.

{ Will not be replaced when worn out.

(f) For baggage and tent wagons.

(g) When No. 43 wheels are used.

(h) Except Mark III carts.

(i) Mark III carts only.

(l) According to mark of vehicle.

(m) Except for wagons on charge of signal units.

Section No.	Description.	Number						
		Carts.						
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.			
					Marks		Converted water barrel, Marks	
					I* and II.	IIA, IIB, IIC, and III.		
I and II.	III.							
2. SPARE PARTS.								
21A	Bands, candle cover, sterilizing filter ...	—	—	—	—	12	—	—
14	Blocks, brake { field and transport ...	—	—	2	—	2	—	—
21A	Blocks, brake { wagon, ambulance, Mark IV ...	—	—	—	—	—	—	—
21A	Candles, apparatus, filtering, sterilizing ...	—	—	—	—	8	—	—
21A	Caps, protecting couplings, filling pipes, carts, water, tank ...	—	—	—	—	4	—	—
21A	Collars, { adjusting { 2nd class "C" capped wheels ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Collars, { 3rd class "B" capped wheels ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Collars, { cylinder cover bolts, apparatus, filtering ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
19	Covers, clarifying reel, apparatus, filtering ...	—	—	—	—	2	—	—
10A	Lashings, white, 1 in., 32 ft. (i) ...	—	—	—	—	2b	—	—
21A	Nuts, { hexagon, 3 in. ...	—	—	—	—	2c	—	—
		—	—	—	—	—	—	—
21A	Nuts, { wing, cylinder cover bolts, apparatus, filtering ...	—	—	—	—	2	—	—
		—	—	—	—	—	—	—
21A	Packings, { rings, leather, L section, set of 3 sets	—	—	—	—	1b	—	—
		—	—	—	—	1	—	—
14	pump { washers, leather, set of 4 ...	—	—	1	—	1d	—	—
21A	2nd class ...	—	1	1	—	1e	1	1
21A	3rd class ...	—	—	—	—	—	—	—
21A	2nd class "C" capped wheels ...	—	—	—	—	—	—	—
21A	3rd class "B" ...	—	—	—	—	—	—	—
21A	with tread plate { A ...	—	—	—	—	—	—	—
21A	with tread plate { B ...	—	—	—	—	—	—	—
21A	Reels, clarifying, apparatus, filtering ...	—	—	—	—	2b	—	—
		—	—	—	—	2	—	—
21A	Rings { cylinder cover, clarifying filter ...	—	—	—	—	12	—	—
		—	—	—	—	4b	—	—
21A	Strips, cover, clarifying reel ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Swingletrees, No. 11 (k) ...	—	—	—	—	1	—	—
		—	—	—	—	8	—	—
21A	Taps, water, small, No. 3 ...	—	—	—	—	12b	—	—
		—	—	—	—	2	—	—
14	candle spindle, sterilizing filter ...	—	—	—	—	1d	—	—
21A	clarifying reel ...	—	—	—	—	1e	1	1
21A	cylinder cover, sterilizing filter ...	—	—	—	—	—	—	—
21A	Washers, { 2nd class C ...	—	—	1	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Washers, { 3rd class B ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Washers, { 2nd class "C" capped wheels ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Washers, { 3rd class "B" capped wheels ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Washers, { plain, wagon, ambulance ...	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
		—	—	—	—	—	—	—
21A	Washers, { union { 1/2-inch hose ...	—	—	—	—	8g	—	—
		—	—	—	—	8h	—	—
		—	—	—	—	—	—	—

(i) Will be issued when existing stock of tarred lashing is used up.
(k) When stocks of Nos. 3A and 10A are exhausted.

per vehicle.

per vehicle.

Wagons.

Ambulance.

Ammunition
and Store,
R.A.

General Service.

Small Arm Am-
munition.

Remarks.

Marks

Marks

Marks

Limbered,
G.S.

Wagon.
Limber.

IV.
V* and
V**.

VI.

Light.

II.
II* and
III.

IV.

III.

IV.

V.

VI.

VII.

VII*.

VIII.

VIII*.

VIII**.

IX.

X.

X*.

1																							
2		2				2	2	2			2a	2	2	2	2	2	2	2	2	2	2	2	
3	2																						
4																							
5																							
6			1																1	1			
7			1																1				
8																							
9																							
10					2	2	2	1	1	1	1	1	1	1	1	1	1	1	1				
11																							
12																							
13																							
14																							
15					1	1	1			1f	1f	1f	1f	1f	1f	1	1	1					
16		1		1			1	1	1	1	1	1	1	1	1	1	1	1			1		
17			1																1	1			
18			1																1				
19	1																						
20		1		1																			
21																							
22																							
23																							
24																							
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
26																							
27																							
28																							
29																							
30					1	1	1			1f	1f	1f	1f	1f	1f	1	1	1					
31		1		1			1	1	1	1	1	1	1	1	1	1	1	1			1		
32																			1	1			
33																			1				
34	1																						
35																							
36																							

(a) If so fitted.

(b) Marks IIC and III
carts only.
(c) Marks IIA and IIB
carts only.

(d) Mark III carts only.
(e) Except Mark III carts.

(f) With 2nd class hind
axletree.

(g) Mark IIA carts.
(h) Except Mark IIA
carts.

Section No.	Description.	Number								
		Carts.								
		Forage.	Maltese.	Small Arm Ammunition.	Water tank.					
					Marks		Con- verted water barrel, Marks			
I* and II.	IIA, IIB, IIC, and III.	I and II.	III.							
MATERIALS FOR REPAIR.										
A.O. 202 1909	8A	Twine, packing, middling (8-oz. balls) ... balls	—	—	—	—	1	—	—	1
3. CART AND WAGON EQUIPMENT.										
	2A	Alum mixture ... lbs.	—	—	—	—	10a	—	—	2
	2B	Axes { felling, curved, helve ...	—	1	—	—	—	—	—	3
	13A	pick { heads, 4½-lb. ...	—	1	—	—	—	—	—	4
	11	helves, 36-in. ferruled ...	—	1	—	—	—	—	—	5
	11	Blankets, G.S. ...	—	1	1	—	—	—	—	6
	11	Boards, inventory, wood ...	—	1	1	1	1	1	1	7
	11	Brushes { cleaning tank ...	—	—	—	—	1b	—	—	8
	11	washing ...	—	—	—	—	1	—	—	9
	11	water, carriage ...	1	1	1	1	1	1	1	10
	2A	Buckets, water, G.S., canvas (c) ...	1	1	7	1	1	1	1	11
	8A	Cordage, spun yarn, hemp, tarred, 3-thread, lbs.	5	5	5	5	5	5	5	12
	9A	Grease, lubricating ... lbs.	3	3	3	3	3	3	3	13
	7	Hammers, { claw, 16-oz. (or 14-oz.) ...	—	—	1	—	—	—	—	14
	2A	riveting, 8-oz....	—	—	—	—	—	—	—	15
	19	Hooks, bill ...	—	1	—	—	—	—	—	16
	7	Lashings { tarred, 1½-inch, 16-feet ...	—	4	—	—	—	—	—	17
	7	white, 1-inch, 30-feet ...	2	—	2	—	—	—	—	18
	19	Pincers, carpenters ... pairs	—	—	1	—	—	—	—	19
	7	Ropes, drag, light, G.S. ...	1	1	1	—	—	—	—	20
	7	Screwdrivers, G.S., 6-inch ...	—	—	1	—	—	—	—	21
	2B	Shovels, G.S. ...	—	2	—	—	—	—	—	22
	21A	Spanners { apparatus, filtering ...	—	—	—	—	1	—	—	23
	7	McMahon, 9-inch ...	—	—	1	—	1	1	1	24
	21A	No. 287 ...	—	—	—	—	1a	—	—	25
	2A	Tent—Line, 16-thread ... ozs.	—	—	—	—	—	—	—	26
A.O. 229 1911	10A	Valises, horseshoe ...	1	1	1	1	1	1	1	27

per vehicle.

		Wagons.																Remarks.				
		Ambulance.		Ammunition and Store, R.A.		General Service.																
		Marks		Marks		Marks																
IV.	V* and V**.	VI.	Light.	II.	II* and III.	IV.	III.	IV.	V.	VI.	VII.	VII*.	VIII.	VIII*.	VIII**.	IX.	X.	X*.	Limbered, G.S.	Wagon.	Small Arm Ammunition.	
1																						
2																						
3																						
4																						
5																						
6	4	8		8	4																	
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
8																						
9																						
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
11																						
12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
13	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
14																						
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
16																						
17																						
18																						
19																						
20																						
21																						
22																						
23																						
24	1	1	1	1																		
25																						
26	6	6	6	6																		
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
																					(a) Marks IIC and III cart only.	A.O. 202 1909
																					(b) Mark III cart only.	57 Gen. No.
																					(c) When stock of leather buckets is exhausted.	1435
																					Annual supply.	A.O. 115 1909
																					Or adjustable, 11-inch.	
																					Annual supply.	

(a) Marks IIC and III cart only.

A.O. 202
1909

(b) Mark III cart only.

57
Gen. No.
1435

(c) When stock of leather buckets is exhausted. Annual supply.

A.O. 115
1909

Or adjustable, 11-inch.

Annual supply.

APPENDIX XVI.

CART AND WAGON EQUIPMENT OF VEHICLES IN USE
IN SOUTH AFRICA.*Referred to in paragraph 36.*

TABLE 1.—Normal Equipment.

Description.	No. per			Remarks.
	Cart, Scotch.	Cart, water.	Wagon, buck.	
<i>Section No. 2A.</i>				
Axes, felling, curved helve ...	—	—	1	When stock of leather buckets is exhausted.
Buckets, water, G.S., canvas ...	1	1	—	
Mangers, portable ...	—	—	1	
<i>Section No. 2n.</i>				
Axes, { heads, 4½-lb. ...	—	—	1	
pick { helves, 36-inches, ferruled...	—	—	1	
Shovels, G.S. ...	—	—	1	
<i>Section No. 5A.</i>				
Harness, mule, breast—				Or L.P. in lieu. (a) 1 long bar and 1 short bar per 2 carts. In the case of single carts, 1 short bar will be held. Or 24-oz. Or McMahon. Or McMahon, 9-inch.
Reims, preller hide ...	6	4	6	
Swingletrees—				
Bars { long ...	(a)	(a)	2	
{ short ...	(a)	(a)	2	
<i>Section No. 7.</i>				
Hammers, claw, 20-oz. ...	—	—	1	Or 24-oz. Or McMahon. Or McMahon, 9-inch.
Spanners, { 15-inch ...	—	—	1	
adjustable { 11 „ ...	—	1	—	
<i>Section No. 9A.</i>				
Grease, lubricating ... lbs.	3	3	7	
<i>Not in Vocabulary.</i>				
Tins, grease, 7-lb., L.P. ...	—	—	1	

57

Cape

3536

TABLE 1—continued. Normal Equipment.

Description.	No. per			Remarks.
	Cart, Scotch.	Cart, water.	Wagon, buck.	
<i>Section No. 10A.</i>				
Padlocks , iron, 2-inch	—	—	1	Per wagon locker.
Valises , horseshoe	1	1	1	
<i>Section No. 11.</i>				
Lamps , hurricane	1a	1	1a	(a) Lanterns, tin, glass sides, to be used up.
<i>Section No. 12.</i>				
Pails , iron, galvanized, 4 gallons ...	—	—	1	
<i>Section No. 14.</i>				
Straps , securing, 1-inch × 26-inch	1	1	—	
<i>Section No. 19.</i>				
Lashings , white, 1-inch, 30-feet ...	2	—	—	
Ropes , drag, light, G.S. ... pairs	1	—	1	
<i>Not in Vocabulary.</i>				
Lashings , { 1½-inch, 30-feet	4	—	—	} Or cordage lengths in lieu.
tarred { 1-inch { 90 "	—	—	1	
{ 30 "	—	—	2	
<i>Section No. 21A.</i>				
Boxes , grease, 3-lb.	1	—	—	
Chains , draught, lead mules, cart, water, tank	—	1	—	
Pins , linch, 3rd class (spare)	—	1	—	
Washers , drag, 3rd class B (spare)	—	1	—	
<i>Not in Vocabulary.</i>				
Belly Bugles , L.P.	1	1	—	
Links , connecting, L.P. ... (spare)	3	3	4	
Pins , linch, L.P.	1	—	2	
Pole , supports, L.P.	1	1	—	
Pots , Kafir	—	—	1	

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Cape
3550
54
Gen. No.
966

57
Gen. No.
1367

TABLE 2.—Special equipment (to be used on mobilization for war or for manoeuvres only) in addition to the stores in Table 1.

Description.	No. per			Remarks.
	Cart, Scotch.	Cart, water.	Wagon, buck.	
<i>Section No. 2A.</i>				
Hooks, bill	—	—	1	
<i>Section No. 5A.</i>				
Harness, mule, breast—				
Breechings (spare)	—	—	1	
Traces { lead, pairs	—	—	1	
{ wheel „	—	—	1	
<i>Section No. 7.</i>				
Saws, hand, 26-inch	—	—	1	
<i>Section No. 20.</i>				
<i>Not in Vocabulary.</i>				
Jacks, lifting, L.P.	—	—	1	
<i>Section No. 21A.</i>				
<i>Not in Vocabulary.</i>				
Blocks, brake, L.P. (spare)	—	—	2	
Bolts (with nuts and washers) of				
sizes... .. (spare)	—	—	20	
Casks, water, 16-inch, L.P.	—	—	1	

APPENDIX XVII.

Referred to in paragraph 386.

OUTFITS FOR MECHANICAL TRANSPORT VEHICLES.

(Articles detailed in this table are not to be demanded unless actually required.)

Description.	Tractors.			Lorries or ambulances.		Wagons.	Water tanks.	Travelling vans.	Motor cars.	Motor bicycles.
	Steam.		Internal combustion.	Steam.	Internal combustion.					
	Light.	Heavy or medium.								
Section No. 7.										
Cans, oil, lubricating—										
G.S.	—	—	—	—	1	—	—	—	1	—
1-pint	1	1	1	1	2	—	—	—	—	—
Chisels, hand, cold, $\frac{3}{4}$ -inch $\times$ 8-inch ...	2	2	2	2	2	—	—	—	1	—
Files—										
Bastard, round { 12-inch	1	1	1	—	—	—	—	—	—	—
8 "	—	—	—	1	1	—	—	—	1	—
Regular cut (a)—										
Flat, tanged, 12-inch	1	1	1	—	—	—	—	—	—	—
Half-round { 12-inch	1	1	1	1	1	—	—	—	—	—
8 "	—	—	—	—	—	—	—	—	1	—
Second cut, hand, safe edge, 6-inch ...	—	—	—	—	—	—	—	—	1	1
Dead smooth, half-round, 4-inch ...	—	—	1	—	1	—	—	—	1	1
Smooth, half-round—										
12-inch	1	1	—	—	—	—	—	—	—	—
8 "	1	1	1	1	1	—	—	—	1	—
Hammers, fitters { 24-oz.	1	1	1	—	—	—	—	—	—	—
16 "	—	—	—	1	1	—	—	—	1	—
8 "	—	—	—	—	—	—	—	—	—	1
Handles, file { large	2	2	1	—	—	—	—	—	—	—
middling	1	1	1	1	1	—	—	—	1	—
small	—	—	1	—	1	—	—	—	1	—
Holders, file, with handle, { 12-inch ...	1	1	1	1	1	—	—	—	—	—
half round (b) { 8 " ...	—	—	—	—	—	—	—	—	1	—
Pliers—										
Gas, 9-inch	1	1	1	1	1	—	—	—	1	—
Side-cutting, 7-inch	1	1	1	1	1	—	—	—	1	1
Punches, carpenters, small	1	1	1	1	1	—	—	—	1	1
Screwdrivers, { 9-inch	1	1	1	1	1	—	—	—	1	—
General Service { 4 "	—	—	—	—	1	—	—	—	1	1
Spanners—										
Adjustable, 15-inch	1	1	1	1	1	—	—	—	—	—
Armament artificers :—										
Double-ended { 1-inch and 7-inch ...	1	1	1	1	1	—	—	—	—	—
$\frac{3}{4}$ " and " ...	1	1	1	1	1	—	—	—	1	—
$\frac{1}{2}$ " and " ...	1	1	1	1	1	—	—	—	—	—
Socket { $\frac{3}{4}$ -inch	—	—	—	1	—	—	—	—	—	—
$\frac{1}{2}$ "	—	—	—	1	—	—	—	—	—	—
McMahon, 9-inch	—	—	—	—	—	—	—	—	1	—

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Equipment

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(a) When stock of bastard files is exhausted.

(b) When regular cut half round files are issued.

Outfits for Mechanical Transport Vehicles—*continued.*

Description.	Tractors.			Lorries or ambulances.		Wagons.	Water tanks.	Travelling vans.	Motor cars.	Motor bicycles.	
	Steam.		Internal combustion.	Steam.	Internal combustion.						
	Light.	Heavy or medium.									
Section No. 9B.											
Bottles, tin, oil : —											
2 gallons	—	2	—	—	—	—	—	—	—	—	
1 gallon	2	—	1	2	—	—	—	—	—	—	
2 quarts	—	—	—	—	1	—	—	—	1	—	
1 quart	—	—	—	—	—	—	—	—	—	1	
Section No. 10A.											
Padlocks, brass, 1½-inch	—	—	—	—	—	—	—	—	(a)	—	
„ iron, 2-inch	(a)	(a)	(a)	(a)	(a)	—	—	—	—	—	
Section No. 10B.											
Covers, waterproof, black, vehicles, M.T.	1(b)	1	1	1	1	1	—	—	—	—	
Section No. 11.											
Lamps, mechanical transport—											
Bull's-eye	—	—	—	—	—	1(c)	—	—	—	—	
Head	1	1	1	1	—	—	—	—	—	—	
Tail	1	1	1	1	1	—	—	—	—	—	
Section No. 12.											
Funnels, tin, 1-pint	—	—	1	—	1	—	—	—	1	—	
Section No. 13c.											
Stretchers, ambulance	—	—	—	—	2(f)	—	—	—	—	—	
Section No. 19.											
Lashings, tarred, 1½-in., 30 ft....	1	1	1	2	2	2	—	—	—	—	
Not in Vocabulary.											
Accumulators, 4 volts, sets in box (d)	—	—	—	—	—	—	—	—	—	—	
Alarm bells	1	—	1	1	—	—	—	—	—	—	
Bags, inner tube	—	—	—	—	—	—	—	—	1	—	
„ tool	—	—	—	—	—	—	—	—	—	—	
Belt Punches	—	—	—	—	—	—	—	—	—	—	
Belts, driving, motor cycle	—	1	—	—	—	—	—	—	—	1	
Brushes, tube	1	1	—	1	—	—	—	—	—	—	
„ Rods	1	1	—	1	—	—	—	—	—	—	
Cans, oil, special for motor bicycle ...	—	—	—	—	—	—	—	—	—	—	
Case, for spare belt and tube	—	—	—	—	—	—	—	—	—	—	

(a) One for each tool box.

(b) When not fitted with canopy or side curtains.

(c) When carrying ammunition.

(d) As required.

(e) For belt-driven machines.

(f) Ambulances only.

Outfits for Mechanical Transport Vehicles—*continued.*

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 Equipt.
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Description.	Tractors.		Lorries or ambu- lances.													
	Steam.															
	Light.	Heavy or medium.														
	Internal combustion.		Steam.	Internal com- bustion.	Wagons.	Water tanks.	Travelling vans.	Motor cars.	Motor bicycles							
<i>Not in Vocabulary—continued.</i>																
Chains, drag	2	2	2	—	—	—	—	—	—							
" driving, spare, with 3 spare half links or links (a)	—	—	—	—	1	—	—	1	1							
Covers, for spare tyres	—	—	—	—	—	—	—	1	1							
Cushions sets	—	—	1	—	1	—	—	1	—							
Funnels, petrol, with filler	—	—	1	—	1	—	—	1	—							
Holdalls, tool, leather, special, filled (b)	—	—	—	—	—	—	—	1	1							
Hoods, Cape Cart pattern	—	—	—	—	—	—	—	1	—							
Horns, special	—	—	—	—	1	—	—	1	1							
Hose, { delivery, with couplings, 15 feet lengths	—	1	—	—	—	—	—	—	—							
{ suction, with couplings 32 feet lengths	1	1	—	1	—	—	—	—	—							
Jacks, lifting, screw—	—	—	—	—	—	—	—	—	—							
10 tons	—	2	—	—	—	—	—	—	—							
5 „	1	—	1	—	—	—	—	—	—							
3 „	—	—	—	1	1	—	—	—	—							
Special for motor cars	—	—	—	—	—	—	—	1	—							
Bars, tommy	1	2	1	1	1	—	—	—	—							
Keys, for union, suction hose	1	1	—	1	—	—	—	—	—							
Lamps—	—	—	—	—	—	—	—	—	—							
Head, acetylene, with generator	—	—	—	—	2	—	—	2	1							
Portable, electric—	—	—	—	—	—	—	—	—	—							
For inspection	—	—	1	—	1	—	—	1	—							
Special	—	—	—	—	1	—	—	1	—							
Side, paraffin, special	—	—	—	—	2	—	—	2	—							
Special, for gauge glass	1	1	—	1	—	—	—	—	—							
Tail, paraffin, special	—	—	—	—	—	—	—	1	—							
Levers, tyre sets	—	—	—	—	—	—	—	1	1							
Lights, reflex	—	—	—	—	—	—	—	—	1							
Magnetos (spare)	—	—	1(c)	—	1(c)	—	—	1(c)	—							
Mirrors, reflecting	—	—	—	—	1	—	—	1	1							
Outfits, repair of tyres	—	—	—	—	—	—	—	1	1							
Pins, dragbar, with cotter	2	2	2	1(d)	1(d)	1	1	—	—							
Plugs, sparking, H.T.	—	—	2	—	2	—	—	2	1							
Pumps, tyre	—	—	—	—	—	—	—	1	1							
clinker	1	1	—	1	—	—	—	—	—							
Rakes { coal	1	1	—	1	—	—	—	—	—							
mud	1	1	—	1	—	—	—	—	—							
Revolution counters, or odometers ...	1	—	1	1	—	—	—	—	—							
Rods, tank	1	1	—	1	—	—	—	—	—							

(a) For chain-driven vehicles.

(b) Containing special tools supplied by makers.

(c) When specially authorized.

(d) For those fitted with draught connections.

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Equipmt.

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Outfits for Mechanical Transport Vehicles—*continued.*

Description.	Tractors.			Internal combustion.	Lorries or ambulances.		Wagons.	Water tanks.	Travelling vans.	Motor cars.	Motor bicycles.
	Steam.		Internal combustion.								
	Light.	Heavy or medium.									
Not in Vocabulary—continued.											
Rugs, waterproof, lined	—	—	—	—	1	—	—	—	—	2	—
Scotchies, special	2	2	2	1	1	—	—	—	—	—	—
Shackles, $\frac{1}{2}$ -inch	1	1	1	—	—	—	—	—	—	—	—
Shovels { clinker	1	1	—	1	—	—	—	—	—	—	—
{ fire	1	1	—	1	—	—	—	—	—	—	—
Spanners—											
adjustable, small	—	—	—	—	—	—	—	—	—	—	1
armament artificers, double ended:—											
$\frac{7}{8}$ -inch and $\frac{1}{2}$ -inch	1	1	1	1	1	—	—	—	—	1	—
$\frac{1}{2}$ " " $\frac{3}{8}$ " "	1	1	1	1	1	—	—	—	—	1	—
fusible, plug	1	1	—	—	—	—	—	—	—	—	—
tubular—											
$\frac{1}{2}$ -in. and $\frac{3}{8}$ -in.	—	—	—	—	1	—	—	—	—	1	—
$\frac{3}{8}$ -in. and $\frac{1}{4}$ -in.	—	—	—	—	1	—	—	—	—	1	—
$\frac{1}{4}$ -in. and $\frac{3}{16}$ -in.	—	—	—	—	1	—	—	—	—	1	—
bars, tommy	—	—	—	—	1	—	—	—	—	1	—
Spikes, frost, with cotters, &c. sets	1	1	1	—	—	—	—	—	—	—	—
Speedometer, special	—	—	—	—	1	—	—	—	—	1	1
Spuds, with bolts sets	1	1	1	—	—	—	—	—	—	—	—
Squirts, oil, special	1	1	1	1	1	—	—	—	—	1	1
" petrol, $\frac{1}{2}$ -pint	—	—	1	—	—	—	—	—	—	1	—
Tools, caulking	1	1	—	—	—	—	—	—	—	—	—
Tools, caulking, special, for beaded ends of tubes	1(a)	1(a)	—	—	—	—	—	—	—	—	—
Tyre tester	—	—	—	—	—	—	—	—	—	1	—
Valves { inlet, complete	—	—	2	—	2	—	—	—	—	2	1
{ exhaust, complete	—	—	2	—	2	—	—	—	—	2	1
Vices, hand, 12-oz.	—	—	1	—	1	—	—	—	—	1	—
Vulcanizers, portable, for motor cars	—	—	—	—	—	—	—	—	—	1	—
Wheels, stepney, or detachable (spare)	—	—	—	—	—	—	—	—	—	1	—
Covers	—	—	—	—	—	—	—	—	—	1	—
Wrenches, adjustable, "footprint," small	—	—	—	—	—	—	—	—	—	—	1

(a) For vehicles fitted with beaded tubes.

APPENDIX XVIII.

Referred to in paragraph 386.

CONSUMABLE MATERIALS FOR MECHANICAL
TRANSPORT VEHICLES.

Annual Allowances.

NOTE.—The scales of material detailed in this Appendix should be regarded as the maximum annual allowances. Demands should only be made for the quantities actually required. (See paragraph 97.)

Description.	Tractors.			Lorries.			Ambulances, I.C.	Motor cars.		Motor bicycles.	M. T. wagons, sleeping vans, &c.
	Steam.		Internal combustion.	Steam.	Internal combustion.			2-seater.	4-seater.		
	Light.	Heavy or medium.			2-ton.	30-cwt.					
Section No. 3.											
Wire, ordinary, copper (a)... ozs.	1	1	1	1	—	—	—	—	—	—	—
Section No. 8A.											
Asbestos:—											
Packing, round ... lbs.	10	10	—	7	—	—	—	—	—	—	—
Yarn (a) ... „	2	2	$\frac{1}{2}$	2	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	—
Asbestos and rubber—											
Rings, wire woven—											
Manhole (a) ... „	4	4	—	—	—	—	—	—	—	—	—
Mudhole (a) ... „	12(c)	12(b)	—	—	—	—	—	—	—	—	—
Tape, wire woven ... yds.	—	—	—	100	—	—	—	—	—	—	—
Cordage, spun yarn, hemp—											
Tarred (a) ... lbs.	6	6	4	6	3	3	3	—	—	—	—
White (a) ... „	4	4	—	4	—	—	—	—	—	—	—
Section No. 9A.											
Bath-bricks .. „	4	4	—	4	—	—	—	—	—	—	—
Blacklead, dry ... lbs.	5	5	3	5	2(c)	2(c)	2(c)	2(c)	2(c)	—	—
Chalk, French ... „	—	—	—	—	—	—	—	6	6	2	—
Cloth, emery, No. 1... sheets	52	52	52	26	26	26	26	6	6	3	—
Grease, lubricating, yellow lbs.	112	112	112	112	112	112	112	112	112	—	112
Methylated spirit, industrial ... gals.											
Oil—								$1\frac{1}{2}(d)$	$1\frac{1}{2}(d)$	—	—
Castor (e) ... „	—	—	$\frac{1}{2}$	—	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	—	—
Lubricating—											
Heavy or light ... „	—	—	100	—	80	70	80	40	60	—	—
Mineral, thick ... „	84	84	—	52	—	—	—	—	—	—	12(f)
Bangoon ... „	90	90	—	12	—	—	—	—	—	—	—

(a) Size required to be stated on indents.

(b) Per mudhole. 24 at Malta.

(c) For chain-driven vehicles only.

(d) For use with small vulcanizer.

(e) If fitted with leather clutch. (f) In lieu of 9 lbs. grease, lubricating if required.

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Equipt.
39792
1005

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Equip.
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Consumable Materials for Mechanical Transport Vehicles—
continued.

Description.	Tractors.		Lorries.			Ambulances, I.C.	Motor Cars.		Motor bicycles. M. T. wagons, sidecars, &c.	
	Steam.		Internal combustion.	Steam.	Internal combustion.		2-seater.	4-seater.		
	Light.	Heavy or medium.			3 ton.					30 cwt.
Section No. 9A—contd.										
Paint—										
black or white ... lbs.	1½	1½	1½	1½	1½	1½	—	—	—	
service colour ... "	15	20	15	15	15	15	—	—	—	
Polish, metal... .. tins	—	—	—	—	12	12	12	12	4	
Powder, emery, flour ... lbs.	½	½	½	½	½	½	½	½	½	
Soap, soft "	6	6	6	6	6	6	6	6	—	
Soda, caustic (76-80 per cent. sodium hydrate) "	56	56	56	56	56	56	56	56	—	
Soda, crystals "	28	28	—	28	—	—	—	—	—	
Tallow "	28	28	14	28	14	7	7	7	—	
Turpentine gals.	2	2	2	2	2	2	—	—	—	
Not in Vocabulary.										
Oil, special, for cylinders of motor bicycles gals.	—	—	—	—	—	—	—	—	8	
Section No. 11.										
Brushes, water, carriage	2	2	2	2	2	2	—	—	—	
Sponges, bath	—	—	—	—	—	—	6	6	6	
Section No. 13C.										
Cloths, sponge	48	48	48	48	48	48	48	48	16	
Cotton, waste, coloured ... cwt.	2	3	2	2	2	2	2	1	1	
Leathers, chamois	—	—	—	—	—	—	4	4	4	
Worsted, blue-grey ozs.	¼	¼	¼	¼	—	—	—	—	—	
Section No. 19.										
Brushes, breech screw	—	—	—	—	—	—	3	3	3	
Section No. 28a.										
Tape, rubber, primed ... lbs.	—	—	—	—	4	½	½	½	—	
" " pure "	—	—	—	—	½	½	½	½	—	
Old Stores.										
Linen, or cotton, old... .. lbs.	3	3	3	3	3	3	3	3	3	

APPENDIX XIX.

*Referred to in paragraph 386.*57
Gen. No.
1492WAR SCALE OF LUBRICANTS FOR MECHANICAL
TRANSPORT VEHICLES, &c.

Description.	Daily allowance (a).				
	Grease, lubri- cating, yellow.	Oil.			
		Lubricating.			Rangoon.
		Heavy.	Light.	Mineral, thick.	
VEHICLES.					
Lorries, internal com- bustion	lbs. $\frac{1}{2}$	pints. $\frac{1}{2}$	pints. $1\frac{1}{2}$	pints. —	pints. —
Motor cars	$\frac{1}{4}$	$\frac{1}{2}$	$1\frac{1}{2}$	—	—
Tractors	—	—	—	2	1
Trucks and trailers ...	$\frac{1}{2}$	—	—	—	1
WORKSHOP PLANT.					
Engine	—	2	—	—	—
Main shafting	—	—	—	—	$\frac{1}{4}$
Drilling machine	—	—	—	—	$\frac{1}{8}$
Grinder	—	—	—	—	$\frac{1}{8}$
Lathe	—	—	—	—	$\frac{1}{4}$
Motor	—	—	—	—	$\frac{1}{4}$

(a) 15 per cent. of each lubricant will be added to the total quantities required by each unit in accordance with this scale.

APPENDIX XX.

Referred to in paragraph 445.

INSTRUCTIONS FOR MARKING VEHICLES AND BICYCLES.

1. These instructions are issued with the object that when required for use on mobilization, every vehicle shall be marked so as to show the title of the unit to which it belongs and the formation to which the unit is allotted.

2. These marks, called "corps marks," are to be on the same system for all vehicles, and for all branches of the service.

The position of the marks will be as follows :—

Gun and howitzer carriages	...	On trail, off side.
Limbers and ammunition wagons :—		
Q.F. 13 and 18-pr., and		
B.L.C. 15-pr. ...	...	Centre of back of ammunition boxes.
B.L. 60-pr. :—		
Gun limbers ...	...	Back of off limber box, close to top.
Ammunition wagons and		
limbers ...	...	Back of ammunition box, off side, close to top.
B.L. 6-inch howitzer ...	...	Back of limber box, near side, close to top.
B.L. 5-inch howitzer ...	...	Back of ammunition or limber box, off side, close to top.
Q.F. 4.5-inch howitzer...	...	Back of ammunition or limber box, off side, low down.
Carts, cable ...	...	Off side of front box.
Carts, water tank :—		
Marks I* and II ...	...	On rear end of tank, off side.
Marks IIA and IIB ...	...	Off side of tank, low down, at front.
Wagons :—		
Air line ...	...	Off side of front box, low down.
Cable ...	...	Off side of futchel of body and off side of footboard of limber.
G.S., Marks VII to IX...	...	On diagonal portion of body, under the footboard, off side.
Telephone ...	...	On off block supporting drum bearings of wagon body, at front, and on off side of limber box.
Other vehicles (if construction admits) ...	...	On body of vehicles, off side, as far to the front as possible and low enough to be clear of the cover.

Limbered vehicles will be marked on both portions.

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Bicycles	...	...	...	...	Across the rear mudguard, 4 inches above the bridge, and on the upper side of the bottom tube, commencing just clear of the bottom lug of the ball head.	A.O. 111 1911
Mountain Artillery packsaddlery	saddles	...	...	...	In most convenient position, off side.	

3. "Corps marks" generally require two lines :—

First line.—Title of unit, *e.g.*, 2 Leins. R.

Second line.—Formation to which unit is allotted, *e.g.*, 3 Inf. Bde.

Table 1 shows the abbreviations to be used for titles of units.

Table 2 gives examples of first and second lines.

4. In addition to the above-named "corps marks," there are a number of details, chiefly for regimental convenience, marked on certain vehicles, such as the nature of gun, number or letter of subsection, number of wagon, &c. These details are not to be mixed up with the corps marks, and will be placed as in Table 3. The general principles indicated in that table should be followed in marking any vehicles for which specific details are not given.

5. All vehicles in possession of medical units will be marked with the Geneva cross, in addition to corps marks, &c.

6. Typical drawings are published to illustrate the method of marking vehicles ; supplies will be obtained from C.O.Os. of areas as required. These drawings are only issued as guides, and where they differ from equipment regulations the latter must be followed.

7. The marking of vehicles will be performed by hand-painting, by battery and regimental artificers. In the absence of artificers trained to hand-painting, vehicles will be marked by the A.O.D.

White paint will be used for all markings with the exception of the Geneva cross which will be red on white ground, and the lettering of bicycles enamelled orange colour, for which black paint will be used. The size of letters and figures will be as laid down in Table 4.

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8. Vehicles in possession of units either as peace or mobilization equipment, and those held by A.O.D. with mobilization equipments, will be marked in full. Any necessary alterations in the marking consequent upon the changes of units in course of relief, or when vehicles accompany a unit on change of station, will be at once carried out.

Vehicles of units not allotted to the Expeditionary Force will be marked with 1st line marking only.

9. Vehicles which are on charge of various corps for local purposes will be marked to show the purpose to which they are locally appropriated.

TABLE 1.

SHOWING the abbreviations to be used in first line marking, which shows the title of the unit.

	Unit.	Abbreviations.
	Household Cavalry (composite) Regiment ...	Hld. Cav. Bgt.
	Depôt, Royal Horse Artillery	Dep. R.H.A.
	R Battery, Royal Horse Artillery	R. R.H.A.
	5th Battery, Royal Field Artillery	5 R.F.A.
A.O. 111	107 Company, Royal Garrison Artillery ...	107 R.G.A.
1911	No. 1 Mountain Battery, Royal Garrison Artillery	1 M. R.G.A.
	Mounted Brigade Ammunition Column ...	Mtd. Bde. A.C.
A.O. 20	IIInd Brigade Royal Horse Artillery Ammunition Column	2 Bde. R.H.A. A.C.
1910	IVth Brigade Royal Field Artillery Ammunition Column	4 Bde. R.F.A. A.C.
	Divisional Ammunition Column (2nd Section)	Div. A.C. 2.
	Field Depôt, Royal Engineers	Fd. Dep. R.E.
	No. 12 Field Company, Royal Engineers ...	12 Fd. Co. R.E.
	3rd Dragoon Guards	3 D.G.
	6th Dragoons	6 Dns.
	20th Hussars	20 Hrs.
	5th Lancers	5 Lrs.
	Infantry Battalions	To be in accordance with the abbreviated regimental titles, as laid down in the official Army List.

In the case of units not mentioned in this Table, the abbreviations are sufficiently explained in Table 2.

TABLE 2.

EXAMPLES of first and second line marking referred to in paragraph 3 of this Appendix.

Unit.	Examples of marking.
General Headquarters	Gen. Hd. Qrs.
Headquarters of an Army	Hd. Qrs. Army
Headquarters of a Cavalry Division... ..	Hd. Qrs. Cav. Div.
Headquarters of Cavalry Divisional Artillery	Hd. Qrs. Cav. Div. Art.
Headquarters of Cavalry Divisional Engineers	Hd. Qrs. Cav. Div. Eng.

TABLE 2—continued. Examples of 1st and 2nd line marking.

Unit.	Examples of marking.
Headquarters of a Division	Hd. Qrs. I Div.
Headquarters of Divisional Artillery ...	Hd. Qrs. Art. II Div.
Headquarters of Divisional Engineers ...	Hd. Qrs. Eng. III Div.
Headquarters of a Divisional Ammunition Column	Hd. Qrs. Div. A.C. IV Div.
Headquarters of an Infantry Brigade ...	Hd. Qrs. 2 Inf. Bde.
Headquarters of a Cavalry Brigade ...	Hd. Qrs. 3 Cav. Bde.
Headquarters of a Royal Horse Artillery Brigade	2 Bde. Hd. Qrs. R.H.A. Cav. Div. Art.
Headquarters of a Royal Field Artillery Brigade	3 Bde. Hd. Qrs. R.F.A. V Div.
Headquarters of a Mounted Brigade ...	Hd. Qrs. Mtd. Bde. 1 Mtd. Bde. 3 D.G.
Cavalry Regiment with Cavalry Brigade ...	2 Cav. Bde. 20 Hrs.
Cavalry Regiment with Mounted Brigade ...	2 Mtd. Bde. A. R.H.A. Cav. Div.
Battery of Royal Horse Artillery with Cavalry Division	B. R.H.A.
Battery of Royal Horse Artillery with Mounted Brigade	2 Mtd. Bde.
Battery of Royal Field Artillery	105 R.F.A. VI Div.
Battery of Heavy Artillery	107 R.G.A. VI Div.
Battery of Mountain Artillery	1 M. R.G.A. VII Div.
Heavy Artillery Ammunition Column ...	Hvy. Art. A.C. I Div.
Divisional Ammunition Column (2nd Section)	Div. A.C. 2 II Div.
Ammunition Column with Mounted Brigade	Mtd. Bde. A.C. 1 Mtd. Bde.
Air-Line Signal Company	1 Air Line Sig. Co. Army Tps.
Bridging Train.... ..	3 Brg. Trn. Army Tps.
Cable Signal Company	2 Cbl. Sig. Co. Army Tps.

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TABLE 2—continued. Examples of 1st and 2nd line marking.

Unit.	Examples of marking.
Divisional Signal Company	2 Div. Sig. Co.
Field Company	II Div.
Field Troop	6 Fd. Co.
Mounted Infantry Battalion	III Div.
A.O. 202 1909 Mounted Infantry Company with a Division	3 Fd. Trp.
Infantry Battalion with Army Troops ...	Cav. Div.
Infantry Battalion with Infantry Brigade ...	3 Mtd. Inf.
Infantry Battalion on Lines of Communica- tion.	2 Mtd. Bde.
Horse Transport Company, Army Service Corps with Army Troops	8 Mtd. Inf. Co.
Horse Transport Company, Army Service Corps with a Division	IV Div.
Horse Transport Company, Army Service Corps with Mounted Brigade	1 C. Gds.
Horse Transport Company, Army Service Corps with Cavalry Division	Army Tps.
Cavalry Field Ambulance with Cavalry division	1 N. Lan. R.
Cavalry Field Ambulance with Mounted Brigade	3 Inf. Bde.
Field Ambulance with a Division	2 High. L.I.
Field Ambulance with Army Troops ...	L. of C.
Squadron of Irish Horse with Army Troops	16 Co. A.S.C.
Signal Troop with Cavalry Brigade	A.T. Train.
Signal Troop with Mounted Brigade ...	18 Co. A.S.C.
	III Div. Train.
	20 Co. A.S.C.
	2 Mtd. Bde. Train.
	22 Co. A.S.C.
	Cav. Div. Train.
	No. 8 Cav. Fd. Amb.
	Cav. Div.
	No. 6 Cav. Fd. Amb.
	2 Mtd. Bde.
	No. 12 Fd. Amb.
	II Div.
	No. 14 Fd. Amb.
	Army Tps.
	B Sqdn. I.H.
	Army Tps.
	2 Sig Troop.
	2 Cav. Bde.
	6 Sig. Troop.
	1 Mtd. Bde.

TABLE 3.—Detailed marks on various vehicles in addition to 1st and 2nd line marking.A.O. 111
1911*Referred to in paragraph 4 of this Appendix.*

Description of vehicle.	Nature and position of marks.	Examples.
ROYAL HORSE AND ROYAL FIELD ARTILLERY.		
Q.F. gun carriages	Nature of piece and letter of sub-section on trail, near side	{ 13-pr. Q.F.—D. 5-in. B.L. Hr.—B. 4·5-in. Q.F. Hr.—B.
B.L. howitzer carriages		
Q.F. " "	Nature of gun on lid of ammunition box, right bottom corner.	13-pr. Q.F.
Q.F. limbers and ammunition wagons		
B.L. howitzer limbers and ammunition wagons ...	Letter of sub-section on lid of ammunition box, left top corner.	D.
	Nature of howitzer on back of ammunition box, near side, close to top.	5-in. B.L. Hr.
Q.F. howitzer limbers and ammunition wagons ...	Letter of sub-section in left top corner of ammunition box.	B.
	Nature of howitzer on lid of ammunition box, near side, low down.	4·5-in. Q.F. Hr.
	Letter of sub-section on lid of ammunition box, left top corner.	B.
ROYAL GARRISON ARTILLERY—HEAVY BATTERIES.		
B.L. gun carriages ...	Nature of gun and letter of sub-section on trail, near side.	60-pr. B.L.—D.
B.L. gun limbers...	Nature of gun on plate securing off limber box.	60-pr. B.L.
	Letter of sub-section on back of near limber box, left top corner.	D.
Ammunition wagons	Nature of gun on brake bar, off side.	60-pr. B.L.
	Letter of sub-section on lid of ammunition box, left top corner.	D.
Ammunition wagon limbers ...	Nature of gun on "Box, under," rear of axletree, off side.	60-pr. B.L.
	Letter of sub-section on lid of ammunition box, left top corner.	D.
SIEGE ARTILLERY.		
Gun or howitzer carriages.	The words "Siege Art.," the nature of the piece, and its number on near side of trail or bracket.	Siege Art. 6-in. B.L. Hr.—4.
Limbers ...		Siege Art. 9·45-in. B.L. Hr.—2.
G.S. or A. & S. wagons...	The words "Siege Art.," the nature of the piece, and its number on rear of bed.	Siege Art. 6-in. B.L. Hr.—4.
	The words "Siege Art." on rim of footboard.	Siege Art.
MOUNTAIN ARTILLERY.		
Carriages ...	Nature of piece and number of sub-section on trail, near side.	10-pr. B.L.—2.
Packsaddlery saddles ...	Nature of piece, number of sub-section and purpose for which required in most convenient position, near side.	10-pr. B.L.—2. Ammunition.

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1911TABLE 3—*continued.* Detailed marks on various vehicles in addition to 1st and 2nd line marking.

Description of vehicle.	Nature and position of marks.	Examples.
MOVABLE ARMAMENT.		
Gun or howitzer carriages.	The words "Movable Armt.," the nature of the piece and letter of sub-section on trail, near side.	Movable Armt. 15-pr. Q.F.—C. Movable Armt. 4-7-in. Q.F.—B. }
15-pr. Q.F. limbers	The words "Movable Armt." on centre of back of ammunition box, low down. Nature of gun on "Box, under," rear of axle-tree, off side. Letter of sub-section in left top corner of ammunition box. }	Movable Armt. }
15-pr. Q.F. ammunition wagons ...	The words "Movable Armt." on centre of back of ammunition box, low down. Nature of gun on brake bar, off side ... Letter of sub-section in left top corner of ammunition box. }	Movable Armt. }
Other gun or howitzer limbers, ammunition wagons and limbers.	Nature of piece and letter of sub-section in position as detailed in preceding tables, and in addition, the words "Movable Armt." on centre of back of limber or ammunition boxes, low down.	15-pr. Q.F. C.
GENERAL SERVICE VEHICLES. ALL UNITS.		
Carts and wagons ...	Vehicle number in rear, near side, low down. Nature of contents in rear, off side, low down.	2. S.A.A.

TABLE 4.—Size of letters and numerals to be used.

Marking.	Nature of letter or numeral.	Size of letters or numerals on	
		Vehicles (a).	Bicycles
Number of Division ...	Roman numerals ...	1½-in.	1-in.
Other numbers ...	Gothic numerals ...	1½ "	"
Initial letter of each word ...	Roman capitals ...	1½ "	"
Other letters in each word	Roman capitals or small Roman letters ...	1½ "	"
All letters in abbreviations		1½ "	"

(a) The weights and loads to be marked on vehicles in accordance with §14255, List of Changes, will be in ¾-inch letters and figures.

APPENDIX XXI.

Referred to in paragraphs 451 and 452.

TABLES SHOWING THE MATERIAL, TIME, AND WORKING PAY ALLOWED FOR PAINTING VEHICLES, &c.

TABLE 1.—Quantity of Material for repairing bare places and painting one coat.

Description.	Paint Prepared.		Putty.	Remarks.	
	Lead Colour.	Service Colour.			
Section No. 2A.					
Mauls, G.S., heads ... (per doz.)	—	1 0	—	(a) Posts treated with jodelite or oil, mineral, preserving wood, will not require painting.	
Posts, picket, 2½ feet (a) ..	—	1 2	—		
Section No. 2B.					
Barrows, hand { double	—	1 0	0 2		
{ single	—	0 12	0 2		
Section No. 11.					
Barrows, stable... ..	—	1 8	0 4		
Section No. 14.					
Bars, supporting draught pole, No. 3 (spare)	—	0 4	—	8 Equipt. 355	
Poles, draught (spare), Nos. 17 and 18	—	1 0	—		
Wagons { artillery	—	15 0	2 0		
{ A. and S., R.A.	—	15 8	2 0		
Wheels { 2nd class, B, Nos. 25, 27, 28 and 29... ..	—	0 12	0 2		
(spare) { 2nd class, C, Nos. 35A and 43	—	1 4	0 2		
Section No. 16B.					
Mountings, tripod, 303-inch Maxim gun	—	0 8	—	Sufficient also for the gun.	
Section No. 20.					
Jacks, lifting, G.S.	—	0 4	—		
Section No. 21A.					
Carts { ambulance { G.S.	8 8	—	1 0	(b) Also 2 oz. of white and 2 oz. of red for colouring leads.	
	{ horse	—	7 0		1 0
	brake	—	8 0		1 0
	cable	—	9 8b		0 12
	chaise	—	8 0		1 0
	coal	—	12 4		1 4
	forage (c)	—	9 8		1 2
	Gibraltar	—	8 8		1 0
	hand, common	—	5 0		0 12
	Maltese	—	6 0		0 12

(c) Vehicles, spare poles, wheels, &c., in possession of medical units will be painted lead colour.

TABLE 1—continued. Materials for Painting Vehicles, &c.

Description.		Paint Prepared.		Putty.	Remarks.
		Lead Colour.	Service Colour.		
Section No. 21A—continued.					
		lb. oz.	lb. oz.	lb. oz.	
Carts	{ shot	—	10 8	1 4	
	{ small-arm ammunition ...	—	9 8	1 0	
	{ tip, general service ...	—	9 8	1 0	
	{ tool, R.E.	—	8 8	1 0	
	{ water tank, Marks I* and II, and converted water barrel—				
	{ cart without tank ...	—	5 0	0 8	
	{ tank	—	1 0	—	
	{ water tank, Marks IIA, IIB, and IIC (c)—				
	{ cart, without tank ...	—	5 0	0 8	
	{ tank, with filtering apparatus ...	—	1 8	—	
	{ water tank, Mark III, complete (c) ...	—	5 0	0 4	
	{ watering, converted water tank—				
Fittings,	{ cart, without tank ...	—	5 8	0 8	
	{ tank	—	1 0	—	
Poles	{ bullock draught	—	2 0	—	
	{ mule draught	—	1 0	0 2	
Poles, draught (spare)—					
	{ Nos. 7A, 8, 14 and 20 (c) ...	—	1 0	—	
Seat, drivers, cart, water tank	...	—	1 8	0 4	
Shafts (spare)—					
Nos. 1 and 19	...	—	1 0	0 1	
	{ Nos. 43, 44, 63 and 64 ...	—	0 12	0 1	
Strut, supporting mule pole ...	...	—	0 8	0 2	
Swingletrees (spare)—					
Nos. 3, 3A, 10A and 11 (c) ...	...	—	2 0	0 8	Per dozen.
	{ air line... ..		14 0	2 0	
ambulance	{ Marks III and IV ...	13 0	—	2 0	
	{ Marks V* and VI (a) ...	14 0	—	2 0	(a) Also 5 lb. of white paint for roof of Mark VI wagon.
boat	...	—	12 0	2 0	
	{ brake	—	15 0	2 0	
bread and meat	...	—	22 8	2 12	
	{ cable { body	—	5 0	1 0	
limber	...	—	6 0	1 0	
	{ Marks III and IV (c) ...	—	16 0	2 0	
G.S. { " V to X* (c) ...	...	—	15 0	2 0	
	{ converted, pharmacy ...	—	13 0	1 0	
" surgery spring ...	...	—	16 0	2 0	
	{ heavy spring	—	16 0	2 0	
R.E.	...	—	16 0	2 0	
	{ light, spring, R.E. ...	—	12 0	1 8	
limbered, G.S. { fore	...	—	5 0	0 12	
	{ hind	—	5 0	0 12	
oven, steam—					
oven (b)	...	—	—	—	(b) 3 lb. 4 oz. Brunswick black.
body (with wheels) ...	...	—	5 8	0 8	
pontoon	...	—	12 0	2 0	

(c) Vehicles, spare poles, wheels, &c., in possession of medical units, will be painted lead colour.

TABLE 1—continued. Materials for Painting Vehicles, &c.

Description.		Paint Prepared.		Putty.	Remarks.	
		Lead Colour.	Service Colour.			
Section No. 21A—continued.						
Wagons	reservoir, gas	lb. oz.	lb. oz.	lb. oz.		
	small-arm ammunition (with limber)	—	12 0	1 0		
	spring, field troop, R.E.	—	13 0	2 0		
	timber, R.E.	—	12 0	1 8		
	wireless telegraphy	—	6 0	1 0		
Wheels (spare)	2nd class, C (e) { No. 204	1 0	—	0 3		
	{ Nos. 198, 193A, 199, 200 and 200A	—	1 0	0 3		
		{ Nos. 159 and 159A	—	0 12	0 2	
		{ „ 46 „ 48	0 6	—	0 2	
	3rd class, B (e) { „ 143, 145, 147 and 153	—	0 14	0 2		
	{ Nos. 150, 152 and 155... ..	—	0 6	0 2		
Section No. 29C.						
Pontoons, bipartite		—	16 8	2 0		
Section No. 29D.						
Trucks, miners		—	0 12	0 2		
Composition for Canvas.						
		Red.	Service Colour.	White.		
		lb. oz.	lb. oz.	lb. oz.		
Section No. 5B.						
Packsaddlery, G.S., covers, 6 ft. x 6 ft., G.S.		—	3 0	—		
Section No. 12.						
Covers	{ fire escape	20 0	—	—		
	{ hose reel	4 0	—	—		
Section No. 14.						
Covers, wagon, A. and S., R.A.—						
Marks II* and III		—	9 0	—		
Mark IV		—	11 4	—		
Covers, wagon, artillery		—	12 12	—		
Section No. 21A.						
Covers, cart	{ chaise	—	6 0	—		
	{ forage	—	6 0	—		
	{ Maltese	—	8 0	—		
	{ tip, general service... ..	—	5 0	—		
	{ converted surgery spring... ..	—	12 0	—		
Covers, wagon, G.S.	{ Mark III	—	11 4	—		
	{ Mark IV	—	13 0	—		
	{ Marks V and VI	—	12 0	—		
	{ Mark VII to VIII*	—	13 0	—		
Wagons, ambulance, Mark VI—						
Hoods and curtains (d)		—	—	5 0		
					Covers made of khaki or service colour water-proof material will not be painted. 8 Eqipt. 365	
					(d) Only those made of khaki or service colour canvas will be painted.	

Covers made of khaki or service colour water-proof material will not be painted.

8
Equip.
365

(d) Only those made of khaki or service colour canvas will be painted.

(e) Spare wheels in possession of medical units will be painted lead colour.

(EQ. R. 10070)

U 2

TABLE 2.—Time and Working Pay allowed for Scraping, Cleaning, and Painting.

Description.	Scraping and cleaning. (a)	Stopping, painting bare places, and one coat (b)
	Time.	Time.
<i>Section No. 2A.</i>		
Mauls , G.S., heads per dozen	—	1 45
Posts , picket, 2½ feet... .. „	1 0	1 0
<i>Section No. 2B.</i>		
Barrows , hand { double	1 0	1 0
{ single	0 45	0 45
<i>Section No. 5B.</i>		
Packsaddlery , G.S., covers, 6 feet x 6 feet, G.S.	—	1 0
<i>Section No. 11.</i>		
Barrows , stable	1 0	1 30
<i>Section No. 12.</i>		
Covers , { fire escape... ..	—	3 0
{ hose reel	—	0 40
<i>Section No. 14.</i>		
Bars , supporting draught pole, No. 3 (spare)	0 10	0 10
Covers , { A. and S., { Marks II* and III	—	3 0
{ R.A. { Mark IV	—	3 45
wagon, { artillery	—	4 0
Poles , draught, Nos. 17 and 18 ... (spare)	0 15	0 20
Wagons { artillery	6 0	16 0
{ A. and S., R.A.	6 0	15 0
Wheels , { B, Nos. 25, 27, 28 and 29 (spare)	0 20	0 45
2nd class { C, Nos. 35A and 43	0 30	1 0

(a) Working pay at the rate of one penny per hour is issuable for this service.

(b) Working pay at the rate of three-halfpence per hour is issuable for this service.

TABLE 2—continued. Time and Working Pay.

Description.	Scraping and cleaning.(a)	Stopping, painting bare places, and one coat.(b)	
	Time.	Time.	
Section No. 16B.			
Mountings, tripod, '303-inch Maxim gun(c)	H. M. 1 0	H. M. 1 30	8 Equip. 355
Section No. 20.			
Jacks, lifting, G.S.	0 30	0 30	
Section No. 21A.			
Carts	ambulance { G.S.	4 0	8 0
	{ horse	3 0	8 0
	brake	4 0	8 0
	cable	6 0	10 30
	chaise	4 0	8 0
	coal	5 0	9 30
	forage	4 0	8 30
	Gibraltar	3 30	7 0
	hand, common	2 0	4 30
	Maltese	2 0	4 30
	shot	4 0	8 30
	small-arm ammunition	4 0	8 30
	tip, general service	4 0	8 30
	tool, R.E.	5 0	9 30
	water tank, Marks I* and II, and converted water barrel—		
	cart, without tank	2 0	4 30
	tank	0 30	1 0
	watertank, Marks IIA, IIB, and IIC—		
	cart, without tank	2 0	4 30
	tank, with filtering apparatus	1 0	1 30
	water tank, Mark III, complete	3 0	8 0
	watering, converted water tank—		
	cart, without tank	2 0	4 30
	tank	0 30	1 0

(a) Working pay at the rate of one penny per hour is issuable for this service.

(b) Working pay at the rate of three-halfpence per hour is issuable for this service.

(c) Including painting of gun.

TABLE 2—continued. Time and Working Pay.

Description.		Scraping and cleaning.(a)	Stopping, painting bare places, and one coat.(b)
		Time.	Time.
<i>Section No. 21A—continued.</i>		H. M.	H. M.
Covers	cart { chaise	—	2 0
	cart { forage	—	2 0
	cart { Maltese	—	2 45
	cart { tip, general service	—	1 40
	wagon, G.S. { converted, surgery	—	4 15
	wagon, G.S. { spring	—	3 45
	wagon, G.S. { Mark III	—	4 20
	wagon, G.S. { " IV	—	4 10
	wagon, G.S. { " V	—	3 25
	wagon, G.S. { " VI	—	5 20
Curtains and hood, wagon, ambulance, Mark VI (c)		—	5 0
Fittings, engine draught		1 0	2 0
Poles	{ bullock draught	0 10	0 30
	{ mule draught	0 10	0 30
Poles, draught (spare) :—			
Nos. 7A, 8, and 20		0 10	0 15
No. 14		0 20	0 30
Seat, drivers, cart, water tank		0 15	1 10
Shafts (spare) :—			
Nos. 1 and 19		0 20	0 30
Nos. 43, 44, 63 and 64		0 20	0 25
Strut, supporting mule pole		0 10	0 20
Swingletrees (spare) :—			
Nos. 3, 3A, 10A and 11 ... (per doz.)		2 0	1 0
Wagons	{ air line	6 0	14 0
	{ ambulance { Marks III and IV	7 0	17 0
	{ ambulance { Mark V*	8 0	18 0
	{ ambulance { " VI	10 0	24 0
	{ ambulance { light	6 0	14 30
	{ boat	6 0	15 0
	{ brake	6 0	15 0
	{ bread and meat	8 0	18 0
	{ cable { body	5 0	9 30
	{ cable { limber	5 0	9 30

(a) Working pay at the rate of one penny per hour is issuable for this service.

(b) Working pay at the rate of three-halfpence per hour is issuable for this service.

(c) See note (d), page 297.

TABLE 2—continued. Time and Working Pay.

Description.				Scraping and cleaning.(a)		Stopping, painting bare places, and one coat.(b)		
				Time.		Time.		
Section No. 21A—continued.								
Wagons	G.S.	Marks III to X*... ..	...	H. M.	6 0	H. M.	15 0	8 Equipme 355
		converted, pharmacy	...	5 0	14 0			
		„ surgery, spring	...	7 0	16 0			
		heavy, spring	...	6 0	15 0			
		R.E.	...	6 0	15 0			
	light spring, R.E.	...	4 30	12 0				
	limbered, G.S. { fore	...	3 0	6 0				
	{ hind	...	3 0	6 0				
	oven, steam:—							
	oven	...	2 0	4 0				
	body (with wheels)	...	3 30	7 30				
	pontoon	...	4 30	10 0				
	reservoir, gas	...	6 0	14 30				
	small arm ammunition (with limber)	...	5 0	12 0				
	spring, field troop, R.E.	...	4 30	12 0				
	timber, R.E.	...	4 0	8 0				
wireless telegraphy	...	11 30	22 0					
Wheels (spare)	2nd Class, C, Nos. 198, 198A, 199, 200, 200A and 204	{ Nos. 46, 48, 150, 152 and 155 ... Nos. 143, 145, 147 and 158 ... Nos. 159 and 159A	...	0 40	1 0			
			...	0 30	0 45			
			...	0 40	1 0			
			...	0 30	0 40			
			...					
Section No. 29c.								
Pontoons, bipartite				5 0	10 0			
Section No. 29D.								
Trucks, miners				0 15	0 45			

(a) Working pay at the rate of one penny per hour is issuable for this service.

(b) Working pay at the rate of three-halfpence per hour is issuable for this service.

TABLE 3.—Quantity of Paint allowed for Marking.

Nature of Marking.				No. of letters, &c.	Quantity of paint.(a)			
Letters or figures	{	1½-in. type ...	...	200	ozs. 1½			
		78 " " ...	...	200	¾			
		¾ " " ...	...	200	½			
		58 " " ...	...	200	¼			
		1½ " " ...	...	200	¼			
		¾ " " ...	...	200	¼			
Geneva cross:— 6 ft. × 4 ft. 3 in. × 1 ft. 3 in. ... 5 ft. 6 in. × 3 ft. 6 in. × 1 ft. ... 5 " 6 " × 2 " 9 " × 1 " ... 4 " 0 " × 3 " 0 " × 1 " ... 3 " 6 " × 2 " 6 " × 9 in. ... 1 " 8 " × 1 " 8 " × 6 " ... 13¾ in. × 13¾ in. × 4½ in. ... 1 ft. by 1 ft. × 4 in. ... 10 in. × 9 in. × 3 in. ... 9 " × 8 " × 2½ in. ...				2	Bright red.(b)		White.(b)	
					lbs. ozs.		lbs. ozs.	
					2	8	3	0
					2	0	2	8
					2	1 14	2	4
					2	1 9	—	
					2	1 0	—	
					2	0 6	0	10
					2	0 3½	0	3½
					2	0 2½	0	2½
					2	0 1½	0	1½
					2	0 1	0	1

N.B.—1 pint of turpentine per lb. of paint will be allowed.

(a) Less than ¼-lb. paint should not be issued.

(b) For Geneva crosses on canvas covers the special red and white composition for canvas will be used.

On ambulance vehicles having covers of white material, the sectors between the arms of the cross will not be painted white.

APPENDIX XXII.

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Gen.No.

740

Repair of Field Range-finders.*Referred to in paragraph 347.*

1. Field range-finders in possession of units will be periodically tested in accordance with Musketry Regulations, Part I, and Regulations for Army Ordnance Services, Part I.

2. When instruments are found to require repairs or adjustments which cannot be carried out by the unit (see handbook of the instrument), an indent on A.F. G 1045, showing the nature of the repairs required, will be forwarded to the C.O.O., who will, if possible, arrange for the work to be carried out locally under paragraph 6.

3. When the repairs cannot be carried out locally the unit will be instructed to return the defective instruments to store and to demand fresh ones. The defective instruments will be sent to Woolwich by the Ordnance Officer.

The registered numbers of instruments will be quoted on all vouchers and demands.

4. Instruments despatched either to or from an ordnance dépôt will be very carefully packed. The instruments in their cases, with reels, cords, shuttles, &c., wrapped in paper, will be packed with tow, hay, or other suitable material, in a wooden box. The box should be marked conspicuously "Glass, with care," and should contain a packing note (A.F. G 1028) duly completed.

5. When mekometer or telemeter cords are broken care must be taken to make them up again to the correct length.

6. Field range-finders may be repaired locally under the supervision of an I.O.M. as follows :—

MEKOMETERS.

Handles.—Fit new handles. Repair or renew cords, loops, rings, and keep screws.

Telescopes.—Fit new telescopes, eye-pieces, object glasses, leather rings, and clamping screws.

Mirrors.—Fit new horizon and index mirrors.

Reels.—Fit new pins, keep pins, drum handles, springs, screws, staples, and wooden blocks. Repair or renew all straps.

Cords and Cases.—All repairs and renewals.

TELEMETERS.

54

Gen: No.

740

Telescopes.—Fit new eye-pieces, object glasses, caps, bodies, and guards.

Mirrors.—Fit new horizon and index mirrors.

Cases and Pickets.—All repairs.

RANGE-FINDERS, INFANTRY, No. 1.

Instruments.—Minor repairs which do not necessitate dissembling the instrument.

Cases and Stands.—All repairs.

RANGE-FINDERS, INFANTRY, No. 2.

Instruments.—Minor repairs to the mechanical (as distinct from the optical) parts.

Cases and Stands.—All repairs.

APPENDIX XXIII.

Referred to in paragraph 515.

INSTRUCTIONS FOR THE CARE AND PRESERVATION
OF FLUTES AND PICCOLOS.

1. The player in whose care the instrument is placed must carefully wipe the joints and bore with an oiled rag or brush once or twice a week. The oil must not be put on too thick; a slight gloss in the bore is all that is required.

2. After use the moisture must be wiped away from the joints and bore, and when perfectly dry inside, an oiled rag or brush must be passed through the bore.

3. To protect the wood from splitting, the instrument must not be placed in the sun, nor laid on cold stone or iron while warm or wet inside, and the cleaning rag must not be forced through the bore.

APPENDIX XXIV.

Referred to in paragraph 30.

Conditions Governing the Sale of Carbines and Rifles.

Carbines or rifles, of any service pattern, may be issued on prepayment, under the following conditions, to :—

Officers of the regular forces.

Officers, N.C.Os. and men of the Special Reserve.

8
Equipt.
276

Conditions.

1. Issues, which will be limited to one arm of each type per officer, N.C.O., or man, will be authorized on the distinct understanding that the arms are not required for the purposes of sale or trade. A.O. 115
1909

2. All carbines or rifles must be obtained from Weedon, and are not to be issued on prepayment from local stock. They will be demanded through the usual channels on quarterly indents, which should be submitted so as to reach Weedon on the 1st January, 1st April, 1st July, and 1st October.

A nominal roll showing the ranks, names, and units of the individuals for whom arms are demanded should accompany each indent.

3. Prior to despatch from Weedon a special sale mark will be applied to all carbines or rifles issued for sale, and only such arms will be issued on prepayment.

4. Local stocks of arms bearing the special sale mark will not be held in anticipation of prepayment demands.

5. The vocabulary rate current at date of issue, plus 1s. per arm to cover the cost of special sale marking will be charged, and recovered locally by the Command Paymaster.

6. All carbines or rifles sold under the foregoing conditions will become the personal property of the purchaser, and will not be accounted for in the equipment ledgers of units.

7. Spare parts and components may also be supplied on prepayment for the repair of service arms issued under the foregoing instructions. Barrels with bodies must be obtained from Weedon in the manner prescribed for complete arms. They will be marked with the special sale mark, for which a charge of 1s. in addition to vocabulary rate, will be made. Credit for replaced parts, if returned to store cannot be allowed.

APPENDIX XXV.

Referred to in paragraph 358.

**Chests, Clothing, or School Materials (or Boxes, Clothing
or Schoolmasters).**

	Number per unit.
Cavalry regiments	4
„ depôts	1
Royal Artillery—	
Horse and field batteries and the Riding Establish- ment	2
Companies, including Jamaica and Sierra Leone Companies, and School of Gunnery	2
District establishment, Southern and Western Districts	3
District establishment, South-Eastern and Thames Districts, Malta, and Gibraltar	2
All other units, including local companies	1
Royal Malta Artillery	1
Royal Engineers—	
Companies (other than Field) and for the super- numerary staff at Aldershot and Gibraltar	1
All other units, including sections of Coast Battalion, and Signal and local companies	2
Infantry—	
Battalions	2
Depôts	1
Battalion, West India Regiment	3
Army Service Corps—	
Depôt companies	3
Other „	2
Detachment at Gibraltar	1
Royal Army Medical Corps—	
Companies	1
Depôts	3
Army Ordnance Corps—	
Companies or sections	2
Depôt	4
Military Police Corps, Cairo	1
School of Musketry	1
School of Music	1

APPENDIX XXVI.

A.O. 113
1910DETAIL OF ACCESSORIES OF A PANNIER, MEDICAL
COMFORT.*(For contents see Field Service Manual, Army Medical Service.)*

Description.	Number.	Remarks.	
<i>Section No. 9B.</i>			
Bottles , tin, methylated spirits, 1½-pints ...	1	These articles will be held on separ- ate ledger charge.	
<i>Section No. 12.</i>			
Casters , pepper, enamelled	1		
Corkscrews	2		
Knives , opening tins	2		
Measures , tin { 1-pint ½ " 1-gill ½ "	1		
	1		
	1		
	1		
Warmers , food, spirit lamp	1		
<i>Pimlico Section No. 30.</i>			
Knives , table	1		

APPENDIX XXVII.

DRAWING INSTRUMENTS FOR USE IN OFFICES IN
WHICH A GENERAL STAFF ASSISTANT IS EMPLOYED.*Referred to in paragraph 360.*

Description.	Number.	
<i>Section No. 8D.</i>		
Boards { drawing, imperial	1	
{ sketching { common	1	
{ Mark IV	1	
Clinometers , mirror	1	
Cases	1	
Compasses , magnetic, plane table	1	
Compasses , prismatic	1	
Cases	1	
Compasses , proportional, 6-inch	1	
Instruments , drawing, G.S.... .. sets	1	
Protractors , rectangular, 6-inch, wood, "A"	1	
Rods , measuring, common, 6-feet	1	
Roof-pitches , $\frac{1}{2}$ pitch... ..	1	
Rulers , parallel, rolling, 9-inch	1	
Rules { architects	1	
{ sight, 16-inch... ..	1	
Scales , mathematical, { No. 5	1	
{ No. 8B	1	
Set-squares , celluloid, 6-inch, 45°	1	
Straight-edges , 48-inch	1	
T-squares , 36-inch, mahogany	1	
Tables , plane, portable	1	
Tapes , measuring, linen, 50-feet	2	
<i>Section No. 11.</i>		
Brushes , paint, oval	2	
<i>Section No. 12.</i>		
Scissors , paperhangers pairs	1	

A.O. 113

1910

A.O. 111

1911

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Gen. No.

2027

APPENDIX XXVIII.

Specimens of ammunition labels referred to in paragraph 288.

Label 292 1100
CARTRIDGES
S.A. BALL
.303 Inch
CORDITE

EXAMINED 1906

[^]_{RL} Mark II [^]_{ILs} 

Label 291 1100
CARTRIDGE
~~EXAM 1906. SERVICE~~
S.A. BALL
.303 Inch
CORDITE

10	11	00
----	----	----

[^]_{RL} Mark II [^]_{ILs} 

Label 291 1100
CARTRIDGES
S.A. BALL
.303 Inch
CORDITE

24	9	06
----	---	----

[^]_{RL} Mark VI [^]_{ILs} 

Label 871 840
CARTRIDGES
S.A. BALL
.303 Inch Cordite
IN CHARGERS

1	11	06
---	----	----

[^]_{RL} Mark VI [^]_{ILs} 

Label 167 850
CARTRIDGES
S.A. BALL
.303 Inch
IN BANDOLIERS

5	9	11
---	---	----

[^]_{RL} Mark VII [^]_{ILs} 

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(Eq. R. 10070)

x

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